

TP  
714  
B885  
SLRA

Compliments of

“Progressive Age.”

**BROWN'S ✧ DIRECTORY**

— OF —

**AMERICAN ✧ GAS ✧ COMPANIES**

**Gas Statistics.**

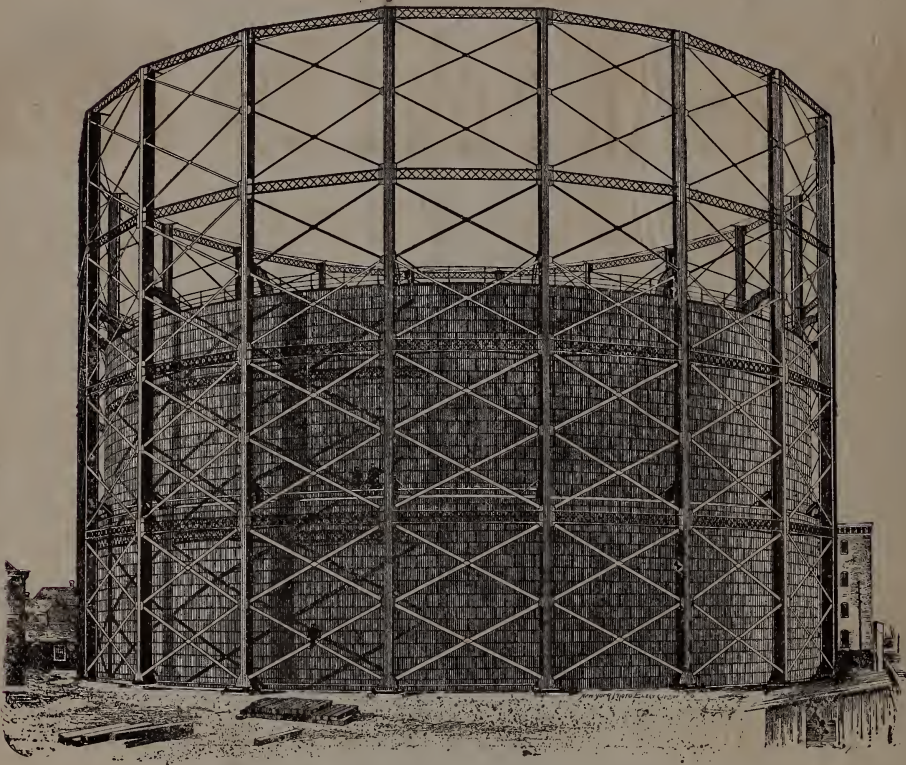
✧ 1890 ✧

# R. D. WOOD & CO.,

ENGINEERS, IRON FOUNDERS AND MACHINISTS,

No. 400 Chestnut St., Philadelphia, Pa.

Foundries and Works: { MILLVILLE,  
FLORENCE, } NEW JERSEY.  
CAMDEN,



— MANUFACTURERS OF —

## CAST-IRON PIPE, GAS HOLDERS,

Single, Double and Triple Lifts, with or without Wrought-Iron Tanks.

---

PURIFIERS, CONDENSERS, SCRUBBERS, BENCH WORK,  
IRON FLOORS AND ROOFS, PLATE GIRDERS,  
HEAVY LOAM CASTINGS, HYDRAULIC  
WORK, LAMP POSTS, VALVES, &c.



# **WALWORTH**

## **Manufacturing Co.,**

14 TO 20 OLIVER ST., BOSTON, U. S. A.,

**MANUFACTURERS OF**

# **Walworth Solid Die Plate,**

**STILLSON'S PIPE WRENCH,**

**Ashley's Pipe Wrench, Miller's Ratchet Die Plate,**

**Stanwood Pipe Cutter, Walworth Pipe Cutter,**

**HALL'S TAPPING MACHINE,**

— AND —

***Brass and Iron Valves and Cocks.***

---

**WALWORTH'S WROUGHT IRON RADIATORS.**

---

**BRASS AND IRON FITTINGS**

**For Steam, Gas and Water.**

---

**DEALERS IN**

# **Wrought Iron Pipe and Supplies**

**FOR STEAM, GAS AND WATER USERS.**

---

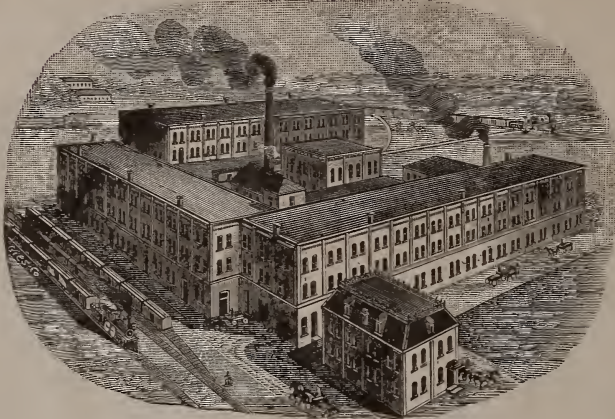
**IRON AND STEEL POLES FOR ELECTRIC RAILWAYS.**

---

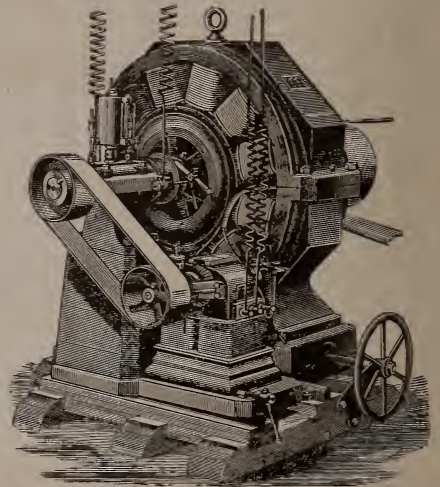
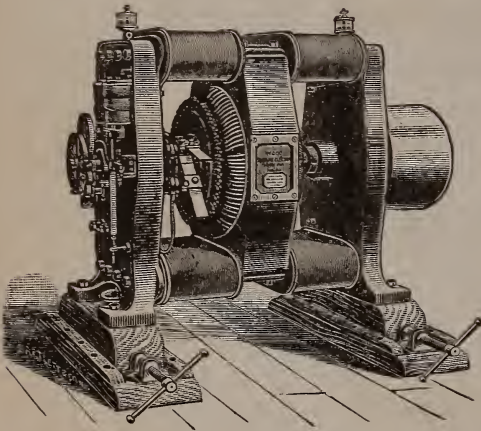
**Prices and Full Particulars Furnished on Application.**

# FORT WAYNE ELECTRIC CO.,

Fort Wayne, Ind., U. S. A.



“Slattery” Alternating and “Wood” Arc Apparatus.



## *BRANCH OFFICES:*

NEW YORK, 115 Broadway.

PHILADELPHIA, 907 Filbert Street.

CHICAGO, 185 Dearborn Street.

SAN FRANCISCO, 35 New Montgomery Street.

DETROIT, Mich., 57 Gratiot Avenue.

TORONTO, Canada, 138 King Street, West.

MEXICO, F. Adams' Successors, City of Mexico.

## *FACTORIES:*

FORT WAYNE, IND.

BROOKLYN, N. Y.



# NEW YORK BELTING & PACKING CO.

J. H. CHEEVER, Treas.

15 Park Row, New York.

Oldest and Largest Manufacturers in the United States of

## VULCANIZED RUBBER FABRICS

For Mechanical Purposes.

### RUBBER BELTING, PACKING HOSE,

Rubber Mats, Rubber Matting and Stair Treads.



TEST HOSE.

## THE OKONITE CO.

No. 13 PARK ROW, NEW YORK.

CHAS. A. CHEEVER, Pres.  
WILLARD L. CANDEE, Treas.

MANUFACTURERS

TELEGRAPH, TELEPHONE  
AND ELECTRIC LIGHT  
INSULATED WIRES  
AND CABLES.



H. DURANT CHEEVER, Sec.  
F. CAZENOVE JONES, Gen'l Sup't  
BRANCHES:

PHILADELPHIA,  
MINNEAPOLIS,  
KANSAS CITY, BOSTON,  
CHICAGO, CINCINNATI,  
SAN FRANCISCO,  
LOUISVILLE,  
ST. LOUIS, OMAHA.

## THE CONTINENTAL IRON WORKS,

THOS. F. ROWLAND, Pres't. { WARREN E. HILL, Vice  
CHAS. H. CORBETT, Pres't's. THOS. F. ROWLAND, Jr., Treas.

COR. WEST AND CALYER STREETS, BROOKLYN, NEW YORK.

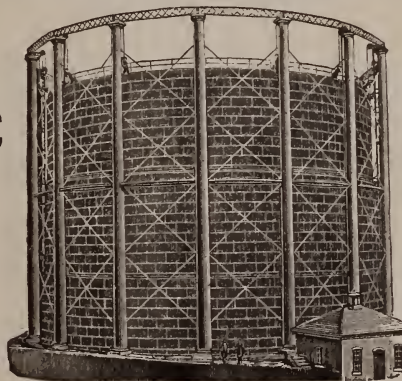
SINGLE LIFT

—AND—

TELESCOPIC

GAS

HOLDERS.



WROUGHT IRON

GAS HOLDER

TANKS.

THREE SECTION

GAS HOLDERS

A SPECIALTY.

Wrought Iron and Composite Roofs, Bench Castings, Self Sealing and Pressed Steel Retort Lids, Wrought and Cast Iron Hydraulic Mains.

CONDENSERS, SCRUBBERS, PURIFIERS, &c.

# STANDARD OIL CO.

OF OHIO.

REFINERS OF NAPHTHA AND GASOLINE.

---

## DEODORIZED NAPHTHA.

Especially valuable to Varnish Manufacturers, Painters and Printers.

## REDISTILLED NAPHTHAS.

For Gas Companies.

## DEODORIZED STOVE GASOLINE.

Meeting every requirement of the Vapor or Gasoline Stove Burners.

## REDISTILLED GASOLINE.

For Street Lamps, Vapor Burners and Torches.

## 86° to 90° GASOLINE.

For Gas Machines.

---

AGENCIES IN ALL THE PRINCIPAL CITIES THROUGH THE WEST AND SOUTH.

-OFFICE:-

No. 43 EUCLID AVENUE,  
CLEVELAND, OHIO.

---

Correspondence Solicited.

---

ADDRESS:

STANDARD OIL CO., NAPHTHA DEPARTMENT.



# Index to Contents.

## UNITED STATES.

Alabama .....	1
Arizona .....	2
Arkansas .....	2
California .....	3
Colorado .....	9
Connecticut .....	10
Delaware .....	12
District of Columbia .....	13
Florida .....	13
Georgia .....	14
Illinois .....	16
Indiana .....	23
Iowa .....	28
Kansas .....	32
Kentucky .....	34
Louisiana .....	37
Maine .....	38
Maryland .....	39
Massachusetts .....	40
Michigan .....	50
Minnesota .....	55
Mississippi .....	57
Missouri .....	58
Montana .....	61
Nebraska .....	61
Nevada .....	63
New Hampshire .....	63
New Jersey .....	65
New Mexico .....	71
New York .....	71
North Carolina .....	87
North Dakota .....	89
Ohio .....	89
Oregon .....	99
Pennsylvania .....	99
Rhode Island .....	113
South Carolina .....	114
South Dakota .....	115
Tennessee .....	115
Texas .....	117
Utah Territory .....	119
Vermont .....	119
Virginia .....	120
Washington .....	122
West Virginia .....	123
Wisconsin .....	124
Wyoming .....	127

## DOMINION OF CANADA.

British Columbia .....	127
Manitoba .....	128
New Brunswick .....	128
New Foundland .....	128
Nova Scotia .....	128
Ontario .....	129
Prince Edward Island .....	133
Quebec .....	133

## CUBA.

Gas Works in Cuba .....	134
-------------------------	-----

## MEXICO.

City of Mexico .....	134
----------------------	-----

## NATURAL GAS COMPANIES.

Alabama .....	134
Arkansas .....	134
California .....	134
Colorado .....	134
Dakota .....	134
Georgia .....	134
Illinois .....	134
Indiana .....	135
Iowa .....	138
Kansas .....	138
Kentucky .....	138
Maryland .....	139
Michigan .....	139
Minnesota .....	139
Missouri .....	139
New Jersey .....	139
New York .....	139
Ohio .....	139
Pennsylvania .....	141
Tennessee .....	145
Texas .....	145
Utah .....	145
West Virginia .....	145
Canada .....	145

## MISCELLANEOUS.

Parent or Operating Companies .....	145
Gas Associations, etc .....	149
Gas Companies in America operating electric lights .....	172

# THE INTERNATIONAL GAS COMPANY.

---

Heat and Light by the Hydro-Carbon Process.  
Meeze Patents.

---

This Company owns the "Meeze Patents" for the United States and Canada, which Patents cover a connected series of inventions relating to the utilization of Crude Petroleum and kindred Hydro-carbon fluids for illuminating, heating and metallurgical purposes.

By treating oil in accordance with the principles of the INTERNATIONAL GAS COMPANY'S patents, all the efficiency and peculiar advantages incidental to the supply and distribution of gas are obtained with an increased economy due to the use of the crude and heavier oils.

A 28 to 30 Candle Power Gas can be made with three gallons of a low grade oil such as Tar distillate, or Crude Lima Oils.

The cost of plant required is small.

For full particulars, estimates of plant, etc., apply to

CHARLES G. FRANCKLYN,

INTERNATIONAL GAS COMPANY.

**New York Office, 19 William St.**



# BROWN'S DIRECTORY

— OF —

## American Gas Companies.

### GAS STATISTICS.

PRICE, = = = = = \$5.00.

Total Number

Compiled and Corrected by  
E. C. BROWN.

Companies, 1048

### REMARKS.

Offering the third annual volume of this work, which has now become the recognized authority on the subjects of which it treats, the publisher desires to first return his thanks to the gas companies of the country who have, through their prompt and thorough presentation of facts necessary to its compilation, made the publication possible; and as a further evidence of his appreciation as heretofore, he presents each of the companies named herein with a complimentary copy of the work, with the hope that it will prove, as it most assuredly will, of special value as a guide and record of the progress of the great industry which it reports.

N. B.—The lists of natural gas companies are as complete as the nature and changing character of the business will allow.

Entered according to Act of Congress, in the year 1889, by E. C. Brown, in the Office of the Librarian of Congress.

PRESS OF "PROGRESSIVE AGE,"  
18 BROADWAY, NEW YORK.

1890.

# THE FACT . . . .

That there are about 200 Gas Companies using the Thomson-Houston Systems proves that their merits are well recognized.

## THE THOMSON-HOUSTON ELECTRIC CO.

Is prepared to supply Gas Companies with complete and reliable systems of

### • Electric • Arc • Lighting •

Direct Current Incandescent Lighting.

Alternating Current Incandescent Lighting.

Series Lighting from Arc Circuits.

Street Lighting by Incandescent Lamps.

Electrical Transmission of Power for Stationary Work.

Electrical Street Car Propulsion.

---

**54% OF ALL THE ARC LAMPS USED BY GAS COMPANIES**

Are of Thomson-Houston manufacture.

---

## THE THOMSON-HOUSTON ELECTRIC CO.

620 Atlantic Ave., Boston, Mass.	148 Michigan Ave., Chicago, Ill.
Wall & Loyd Streets, Atlanta, Ga.	403-405 Sibley St., St. Paul, Minn.
115 Broadway, New York City.	503 Delaware St., Kansas City, Mo.
1110 Noble St., Philadelphia, Pa.	215 West 4th St., Cincinnati, Ohio.
1333 F. St., Washington, D. C.	234 Montgomery St., San Francisco, Cal.











MAP SHOWING THE GAS TOWNS OF THE UNITED STATES AND CANADA.





# BROWN'S DIRECTORY OF AMERICAN GAS COMPANIES.

## GAS STATISTICS.

### ALABAMA.

#### **Birmingham Gas, Electric Light & Power Co., Birmingham.**

##### *Jefferson County.*

Capital stock, \$500,000.  
Total bonds outstanding, \$340,000.  
President, J. F. B. Jackson.  
Treasurer, B. F. Roden.  
Secretary, B. F. Roden.  
Purchasing Agent, B. F. Roden.  
Superintendent, T. Byron.  
Process of Manufacture, Coal.  
Population, 50,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 32.  
Price received for public lamps, \$1.25 per month.  
Approximate annual output, 40,000,000.  
Candle power, 18.  
Operate Thomson-Houston Electric System.  
Number of Lights, 370 Arc and 1,600 Incandescent Lights.

#### **Decatur Light & Power Co., Decatur.**

##### *Morgan County.*

Capital stock, \$150,000.  
Total bonds outstanding,  
President, W. W. Littlejohn.  
Treasurer, 1st Nat'l. Bank.  
Secretary, Jas. M. Scott.  
Purchasing Agent, Jas. M. Scott.  
Superintendent, Jas. M. Scott.  
Process of Manufacture, Coal.  
Population, 8,000.  
Price of Gas in 1889, \$2.00, 10 per cent. discount.  
Number of public lamps, 75.  
Price received for public lamps, \$25.00 per year.  
Approximate annual output not stated.  
Candle power, 18.

#### **Eufaula Gas, Electric Light and Power Co., Eufaula.**

##### *Barbour County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$  
President, John W. Tullis.

Treasurer, A. Beringer.  
Secretary, A. Beringer.  
Purchasing Agent, John W. Tullis.  
Superintendent, James Ferrier.  
Process of Manufacture, Coal.  
Population, 7,500.  
Price of Gas in 1889, \$2.50, less 10 per cent.  
Number of public lamps, 85.  
Price received for public lamps,  
Approximate annual output, 8,000,000.  
Candle power,  
Operate Thomson-Houston Electric System, 50  
Arc and 50 Incandescent Lights.

#### **Huntsville Gas Light and Coke Co., Huntsville.**

##### *Madison County.*

Capital stock, \$72,000.  
Total bonds outstanding \$37,500.  
President, Robt. E. Coke.  
Secretary, I. W. Murdoch.  
Superintendent, I. W. Murdoch,  
Process of Manufacture, Coal.  
Population, 8,000.  
Price of Gas in 1889, \$2.00 to \$1.75.  
Number of public lamps, 80.  
Price received for public lamps,  
Approximate annual output, 10,000,000.  
Candle power, 18.

#### **Mobile Gas Light and Coke Co., Mobile.**

##### *Mobile County.*

Capital stock, \$300,000.  
Total bonds outstanding, \$  
President, S. S. Rubira.  
Treasurer, H. W. Shields.  
Secretary, H. W. Shields.  
Purchasing Agent, H. W. Shields.  
Superintendent, John O'Brien.  
Process of Manufacture, Coal.  
Population, 40,000.  
Price of Gas in 1889, \$1.75 to \$2.25.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 14,000,000.  
Candle power, 18.

In Alabama Gas Companies in the towns of Birmingham, Eufaula and Selma operate the *Thomson-Houston Electric System*. See advertisement, page x.



## ALABAMA.

**Montgomery Light Co., Montgomery.**  
*Montgomery County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$250,000.  
 President, M. L. Moses.  
 Treasurer, Ignatius Pollak.  
 Secretary and General Manager, T. G. Foster.  
 Purchasing Agent, T. Gardner Foster.  
 Superintendents, { Jas. A. Foster of Gas.  
                           { W. H. Gasner of Electricity.  
 Process of Manufacture, Coal.  
 Population, 35,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 32,000,000.  
 Candle power, 18.  
 Operate Brush Arc Electric System, 200 Lights;  
 Westinghouse Incandescent, 1,500 Lights.

**Selma Gas and Electric Light Co., Selma.**  
*Dallas County.*

Capital stock, \$31,300.  
 Total bonds outstanding, \$4,000.  
 President, J. R. Kenan.  
 Treasurer, J. R. Kenan.  
 Secretary, James K. Graham.

Purchasing Agent, H. Harthan.  
 Superintendent, H. Harthan.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$1.75 to \$2.50, sliding scale  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 12,000,000.  
 Candle power, 18 to 20.  
 Operate Thomson-Houston Electric System, 75  
 Arc Lights.

**Talladega Gas, Light and Water Co., Talladega.**  
*Talladega County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$40,000, 6 per cent.  
 President, Jos. A. Shakspeare, New Orleans, La.  
 Treasurer, Geo. P. Anderton, New Orleans, La.  
 Secretary, G. P. Anderton.  
 Purchasing Agent.  
 Superintendent, George Kramer.  
 Process of Manufacture, Coal.  
 Population, 5,500.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 30.  
 Price received for public lamps, \$30.00.  
 Approximate annual output, 3,650,000.  
 Candle power, 17.

## ARIZONA.

**Phoenix Illuminating Gas & Electric Light Co., Phoenix.**  
*Maricopa County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, W. C. Parsons.  
 Treasurer, J. H. White.  
 Secretary, A. P. Wade.  
 Purchasing Agent, H. Ohnick.  
 Superintendent, H. Ohnick.  
 Process of Manufacture, Oil.  
 Population, 6,000.  
 Price of Gas in 1889, \$6.00.  
 Number of public lamps, 12.  
 Price received for public lamps, \$4.50 per month.  
 Approximate annual output, 3,600,000.  
 Candle power, 60.

**Tombstone Gas Co., Tombstone.**  
*Cochise County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, George Berrott.  
 Treasurer, Bank of Tombstone.  
 Secretary, R. W. Wood.

Purchasing Agent, R. W. Wood.  
 Superintendent, R. W. Wood.  
 Process of Manufacture, Oil.  
 Population, 5,000.  
 Price of Gas in 1889, \$7.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 2,000,000.  
 Candle power, 80.

**Tucson Gas Co., Tucson.**  
*Pima County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, W. F. Overton.  
 Treasurer, W. F. Overton.  
 Secretary, H. E. Lacy.  
 Purchasing Agent, H. E. Lacy.  
 Superintendent, John Ward.  
 Process of Manufacture, Crude Oil.  
 Population, 8,000.  
 Price of Gas in 1889, \$7.00.  
 Number of public lamps, 50.  
 Price received for public lamps, \$3.00 per 1,000.  
 Approximate annual output, 2,000,000.

## ARKANSAS.

**Eureka Springs Gas Light Co., Eureka Springs.**  
*Carroll County.*

Capital stock, \$30,000.  
 Total bonds outstanding,  
 President, Theo. Plate.  
 Treasurer, Theo. Plate.  
 Secretary, A. Schenk.

Purchasing Agent, J. A. Monagan.  
 Superintendent, J. A. Monagan.  
 Process of Manufacture, Oil.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, 55.  
 Price received for public lamps, \$40.  
 Approximate annual output, 1,750,000.  
 Candle power, 17.

The use of the *Thomson-Houston Arc Dynamo* permits the operation of Arc and Incandescent Lamps upon the same circuit and from the same dynamo. See advertisement, page x.

**Fort Smith Gas Light Co., Fort Smith.**

*Sebastian County.*

Capital stock, \$150,000.  
Total bonds outstanding, none.  
President, Martin Thrurer.  
Treasurer, George T. Sparks.  
Secretary, George Jengel.  
Purchasing Agent, W. J. Johnston.  
Superintendent and General Manager, W. J. Johnston.

Process of Manufacture, Coal.  
Population, 18,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 203.  
Price received for public lamps, \$27.50 and \$30.  
Approximate annual output, 10,000,000 to 12,000,000.

Candle power, 16 to 18.  
Operate Van Depoele Arc Electric System, 60 Lights, United States Incandescent System, 400 Lights.

**Helena Gas Light Co., Helena.**

President, John J. Horner.  
Treasurer, S. N. Horner.  
Secretary, E. C. Horner.  
Purchasing Agent, E. C. Horner.  
Superintendent, John J. Horner.  
Process of Manufacture, Coal.  
Population, 6,000.  
Price of Gas in 1888, \$3.00.

**Garland Gas Light Co., Hot Springs.**

*Garland County.*

Capital stock,  
Total bonds outstanding,  
President, Albert B. Gaines.  
Treasurer, Albert B. Gaines.  
Secretary, J. W. Carrington.  
Purchasing Agent, W. M. Wilson.  
Superintendent, W. M. Wilson.  
Process of Manufacture, Pitch, Pine and Coal.  
Population, 12,000.  
Price of Gas in 1889,  
Number of public lamps, 35.

**Hydro Carbon Fixed Gas Co., Hot Springs.**

*Garland County.*

Capital stock, \$10,000.  
Total bonds outstanding, none.  
President, Jno. J. Sumpter.  
Treasurer, C. N. Rix.

Secretary, C. N. Rix.  
Purchasing Agent, Jno. J. Sumpter.  
Superintendent, A. J. Walsh.  
Process of Manufacture, Retort.  
Population, 15,000.  
Price of Gas in 1889, \$2.25.  
Number of public lamps, none.  
Price received for public lamps.  
Approximate annual output,  
Candle power, 30.

**Pulaski Gas Light Co., Little Rock.**

President, Jno. D. Adams.  
Treasurer, C. F. Peuzel.  
Secretary, Dean Adams.  
Purchasing Agent, Dean Adams.  
Superintendent, Dean Adams.  
Process of Manufacture, Coal.  
Population, 26,000.  
Price of Gas in 1888, \$2.50.  
Operate Brush Electric System, 80 Arc Lights, and Westinghouse Incandescent, 1,000 Lights.

**Pine Bluff Gas Light Co., Pine Bluff.**

President,  
General Manager, Henry C. Scott.  
Treasurer,  
Secretary,  
Purchasing Agent, General Manager.  
Superintendent,  
Process of Manufacture,  
Population, 7,000.  
Operate Van Depoele Electric System.

**Texarkana Gas and Electric Light Co., Texarkana.**

*Miller County.*

Capital stock, \$200,000, authorized.  
Total bonds outstanding, \$7,000.  
President, E. N. Maxwell.  
Treasurer, E. N. Maxwell.  
Secretary, F. E. Walters.  
Purchasing Agent,  
Electrician, Boyd Anderson.  
Process of Manufacture, Coal.  
Population, 15,000.  
Price of Gas in 1889, \$2.65.  
Number of public lamps, 60.  
Price received for public lamps, \$42 per annum.  
Approximate annual output, 7,000,000.  
Candlepower, 16.  
Operate Van Depoele Arc Electric System, 60 Lights, Westinghouse and United States Incandescent 1,150 Lights.

CALIFORNIA.

**Benicia Gas Co., Benicia.**

*Solano County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, D. N. Hastings.  
Treasurer, G. A. Hastings.  
Secretary, F. P. Weinmann.  
Purchasing Agent, D. N. Hastings.  
Superintendent, D. N. Hastings.  
Process of Manufacture, Hanlon-Leadley.  
Population, 3,000.

Price of Gas in 1889, \$5.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 750,000.  
Candle power, 28.

**Chico Gas and Electric Light Co., Chico.**

*Butte County.*

Capital stock, \$60,000.  
Total bonds outstanding, none.  
President, G. W. Dorn.

In California Gas Companies in the towns of Fresno, Oakland, Sacramento, Salinas City, Santa Barbara, Santa Rosa, Woodland and Yreka operate the *Thomson-Houston Electric System*. See advertisement, page x.

Treasurer, J. R. Robinson.  
 Secretary, W. J. Caster.  
 Purchasing Agent,  
 Superintendent, G. W. Dorn.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$4.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 4,000,000.  
 Candle power, 20.  
 Operate Westinghouse Electric System, 65 Arc  
 Lights.

#### Colusa Gas Co., Colusa.

*Colusa County.*

Capital stock, \$25,000.  
 Total bonds outstanding, \$  
 President, Jas. W. Goad.  
 Treasurer, Colusa County Bank.  
 Secretary, C. M. Ballantine.  
 Purchasing Agent, Jas. W. Goad.  
 Superintendent, Jas. W. Goad.  
 Process of Manufacture, Coal.  
 Population, 2,000.  
 Price of Gas in 1889, \$4.50.  
 Number of public lamps, 14.  
 Price received for public lamps, \$3.00 a month.  
 Approximate annual output,  
 Candle power,

#### The Eureka Gas Co., Eureka.

*Humboldt County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, J. M. Livingston.  
 Treasurer, C. O. G. Miller.  
 Secretary, C. O. G. Miller.  
 Purchasing Agent, C. O. G. Miller.  
 Superintendent, Thos. Petch.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, 19.

#### Fresno Gas and Electric Light Co., Fresno.

*Fresno County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$48,000.  
 President, Lewis Leach.  
 Treasurer, Farmers Bank.  
 Secretary, E. C. White.  
 Purchasing Agent, H. Bodlam.  
 Superintendent, Danville Decker.  
 Process of Manufacture, Coal.  
 Population, 14,000.  
 Price of Gas in 1889, \$3.50 and \$4.00.  
 Number of public lamps,  
 Price received for public lamps, \$2.50 and \$5.00.  
 per month.  
 Approximate annual output,  
 Candle power, 20.  
 Operate Thomson-Houston and Waterhouse Arc  
 Electric System, 140 Lights; Thomson-Hous-  
 ton Incandescent System, 650 Lights.

#### Gilroy Gas and Water Co., Gilroy.

President, Thos. Rea, Gilroy.  
 Treasurer, Bank of Gilroy.  
 Secretary, Geo. W. Lynch, San Francisco,  
 Purchasing Agents, Sims & Morris, San Fran-  
 cisco.  
 Superintendent, E. A. Holloway.  
 Process of Manufacture, Coal.  
 Population, 2,000.

#### Grass Valley Gas and Electric Light Co., Grass Valley.

*Nevada County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, John Glasson, Prop. and Man.  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Pitch and Shale.  
 Population, 7,000.  
 Price of Gas in 1889, \$5.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 1,000,000.  
 Candle power, 18.  
 Operate Waterhouse Arc Electric System, 32  
 Lights; Bernstein Incandescent System, 140  
 Lights.

#### Healdsburg Gas Light Co., Healdsburg.

Owned by Bank of Healdsburg.  
 President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Pitch Pine.  
 Population, 1,300.

#### Hollister Gas Co., Hollister.

President, T. S. Hawkins.  
 Treasurer, G. W. Lynch.  
 Secretary, E. B. Montgomery.  
 Superintendent, W. W. McDonald.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1888, \$4.00.

#### Jackson Gas Light Co., Jackson.

President, A. Chichizola.  
 Treasurer, A. Ginocchio.  
 Secretary, Richard Webb.  
 Superintendent, A. Scapuzzi.  
 Process of Manufacture, Gasoline.  
 Population, 1,500.  
 Price of Gas in 1888, \$4.00.

#### Livermore Gas Co., Livermore.

President, Wm. Mendenhall.  
 Vice-President, J. L. Mitchel.  
 Treasurer, G. Gerst.  
 Secretary, Philip Auspacher.  
 Purchasing Agent,  
 Superintendent, Geo. B. Henderson.  
 Process of Manufacture, Coal.  
 Population, 3,000.

The *Thomson-Houston System* of Incandescent Lighting is superior to all others. See advertisement, page x.



**Los Angeles Lighting Co., Los Angeles.**

*Los Angeles County.*

Capital stock, \$  
Total bonds outstanding, \$  
President, W. B. Cline.  
Treasurer, R. M. Adams.  
Secretary, R. M. Adams.  
Purchasing Agent, W. B. Cline.  
Superintendent, S. W. Garretson.  
Process of Manufacture, Coal, Lowe and Oil.  
Population, 80,000.  
Price of Gas in 1889, \$2.25.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power, 20.

**Marysville Coal Gas Co., Marysville.**

*Yuba County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.  
President, D. E. Knight.  
Treasurer, D. E. Knight.  
Secretary, A. Clark.  
Purchasing Agent, D. E. Knight,  
Superintendent, D. E. Knight.  
Process of Manufacture, Coal.  
Population, 8,000.  
Price of Gas in 1889, \$1.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 350,000.  
Candle power, 17.  
Operate Brush Arc Electric System, 60 Lights.

**Merced Electric Light & Gas Co., Merced.**

*Merced County.*

Capital stock, \$100,000.  
Total bonds outstanding, \$  
President, W. E. Dean.  
Treasurer, W. E. Dean.  
Secretary, D. C. Bates.  
Purchasing Agent, A. C. Swaird.  
Superintendent, A. C. Swaird.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1889, \$4.50.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 1,450,000.  
Candle power, 20.  
Operate Heisler Incandescent Electric System,  
250 Lights.

**Modesto Gas Light, Coal & Coke Co., Modesto.**

*Stanislaus County.*

Capital stock, \$  
Total bonds outstanding, \$  
President, L. C. Branch.  
Treasurer, L. C. Branch.  
Secretary, E. P. Grant.  
Purchasing Agent, L. C. Branch.  
Superintendent, E. P. Grant.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1889, \$4.00 to \$5.00.  
Number of public lamps, 23.  
Price received for public lamps, \$4.00 per month.  
Approximate annual output, 2,000,000.  
Candle power, 18.

**Napa City Gas Light & Heating Co., Napa City.**

*Napa County.*

Capital stock, \$160,000.  
Total bonds outstanding, \$  
President, Geo. E. Goodman.  
Treasurer, N. P. Goodman.  
Secretary, N. P. Goodman.  
Purchasing Agent,  
Superintendent, Theo. R. Parker.  
Process of Manufacture, Coal.  
Population, about 5,000.  
Price of Gas in 1889, \$4.00.  
Number of public lamps, 36.  
Price received for public lamps, \$2.50 per month.  
Approximate annual output, 250,000.  
Candle power, 18.

**Nevada Gas Light Co., Nevada City.**

President, F. A. Pierce, Proprietor.  
Treasurer,  
Secretary, A. M. Allen.  
Purchasing Agent, A. M. Allen.  
Superintendent, A. M. Allen.  
Process of Manufacture, Shale and Pitch Pine.  
Population, 4,000.  
Price of Gas in 1889, \$5.00.

**Oakland Gas Light & Heat Co., Oakland.**

*Alameda County.*

Capital stock, \$3,000,000.  
Total bonds outstanding, \$  
President, Jos. G. Eastland.  
Treasurer, John A. Britton.  
Secretary, John A. Britton.  
Purchasing Agent, Van L. Eastland.  
Superintendent, Van L. Eastland.  
Process of Manufacture, Coal and Water.  
Population, 60,000.  
Price of Gas in 1889, \$2.50, \$2.25 and \$2.00.  
Number of public lamps, 960.  
Price received for public lamps, 10c. per night.  
Approximate annual output,  
Candle power, 20.  
Operate Thomson-Houston Arc Electric System,  
750 Lights; Westinghouse Incandescent Sys-  
tem, 1,300 Lights.

**Oroville Gas Works, Oroville.**

*Butte County.*

Capital stock, \$  
Total bonds outstanding, \$  
President, A. Pierce.  
Treasurer, A. Pierce.  
Secretary, A. Pierce.  
Purchasing Agent, A. Pierce.  
Superintendent, James Havey.  
Process of Manufacture, Coal and Shale.  
Population, 2,000.  
Price of Gas in 1889, \$4.00  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 3,000,000.  
Candle power, 20.

**Pasadena Gas & Electric Light Co., Pasadena.**

*Los Angeles County.*

Capital stock, \$  
Total bonds outstanding,  
President, T. S. C. Lowe.  
Treasurer, A. W. Roche.

The *Thomson-Houston Dynamo* for Arc Lighting is automatic in action and economical in operation. See advertisement, page x.

Secretary, A. W. Roche.  
 Purchasing Agent,  
 Superintendent, R. P. Valentine.  
 Process of Manufacture, New Lowe.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.75.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 30.

#### **Placerville Gas Light Co., Placerville.**

*El Dorado County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 President, Geo. Hofmeister.  
 Treasurer, C. H. Keil.  
 Secretary, W. S. Panett.  
 Purchasing Agent, R. Alderson, Jr.  
 Superintendent, Geo. Hilbert.  
 Process of Manufacture, Wood.  
 Population, 2,000.  
 Price of Gas in 1889, \$2.75.  
 Number of public lamps, 22.  
 Price received for public lamps, \$2.30.  
 Approximate annual output,  
 Candle power,

#### **Petaluma Gas Light Co., Petaluma.**

*Sonoma County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, I. G. Wickersham.  
 Treasurer, H. H. Atwater.  
 Secretary, F. A. Wickersham.  
 Purchasing Agent, I. G. Wickersham.  
 Superintendent, J. A. Wright.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 200,000 per month.  
 Candle power, 18.

#### **Pomona Gas and Electric Light Co., Pomona.**

*Los Angeles County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, H. C. Houghton.  
 Treasurer, Jno. H. Dole.  
 Secretary, H. S. Finney.  
 Manager, A. H. Smith.  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.50.  
 Number of public lamps, 18.  
 Price received for public lamps, \$4 per month.  
 Approximate annual output,  
 Candle power,

#### **Red Bluff Electric Light and Gas Co., Red Bluff.**

*Tehama County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, J. S. Cone.  
 Treasurer, L. C. Graupner.  
 Secretary, L. C. Graupner.

Purchasing Agent L. C. Graupner.  
 Superintendent, L. C. Graupner.  
 Process of Manufacture, Coal.  
 Population, 4,500.  
 Price of Gas in 1889, \$5.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 1,500,000.  
 Candle power, 16.  
 Operate Brush Arc Electric System, 56 Lights.

#### **Capital Gas Co., Sacramento.**

*Sacramento County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$  
 President, B. W. Steinman.  
 Treasurer, C. H. Cummings.  
 Secretary, C. H. Cummings.  
 Purchasing Agent,  
 Superintendent, J. C. Pierson.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, 200.  
 Price received for public lamps, \$4.25 per month.  
 Approximate annual output, 60,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston and Brush Arc Electric System, 300 Lights.

#### **Salinas City Gas and Water Co., Salinas City.**

*Monterey County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 President, J. B. Iverson.  
 Treasurer, Wm. Vanderhurst.  
 Secretary, H. L. Porter.  
 Purchasing Agent, R. L. Porter.  
 Superintendent, F. B. Day.  
 Process of Manufacture, Coal.  
 Population, 3,500.  
 Price of Gas in 1889, \$4.00.  
 Number of public lamps, 17.  
 Price received for public lamps, \$5.00 per month.  
 Approximate annual output, 2,100,000.  
 Candle power,  
 Operate Thomson-Houston Electric System, 21 Arc Lights.

#### **St. Helena Gas Co., St. Helena.**

President, J. H. Steves.  
 Treasurer, W. A. C. Smith.  
 Secretary, W. A. C. Smith.  
 Purchasing Agent, W. A. C. Smith.  
 Superintendent, Jesse Starkweather,  
 Process of Manufacture, Coal.  
 Population, 2,500.  
 Price of Gas in 1888, \$5.00.

#### **Santa Barbara Electric Light Co., Santa Barbara.**

*Santa Barbara County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, George W. Coffin.  
 Treasurer, Commercial Bank.  
 Secretary, A. B. Williams.  
 Purchasing Agent, A. B. Williams.  
 Superintendent, A. B. Williams.

The *Thomson-Houston Incandescent Dynamo* is automatic in operation under all charges of load. See advertisement, page x.



Process of Manufacture, Coal.  
Population, 10,000.  
Price of Gas in 1889, \$4.00.  
Number of public lamps, 35.  
Price received for public lamps, \$1.50 each per month.  
Approximate annual output, 4,000,000.  
Candle power, 20.  
Operate Thomson-Houston Electric System, 125 Arc Lights.

**The San Bernardino Gas Light Co., San Bernardino.**

*San Bernardino County.*

Capital stock, \$  
Total bonds outstanding, none.  
President, J. M. Livingston, San Francisco.  
General Manager, W. B. Cline, Los Angeles.  
Secretary, C. O. G. Miller, San Francisco.  
Purchasing Agent, W. B. Cline, Los Angeles.  
Agent, H. M. Corlette, San Bernardino.  
Process of Manufacture, Coal.  
Population, 10,000.  
Price of Gas in 1889, \$3.50 and \$3.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power. 20.

**San Diego Gas and Electric Light Co., San Diego.**

*San Diego County.*

Capital stock, \$500,000.  
Total bonds outstanding, \$350,000.  
President, R. M. Powers.  
Treasurer, Bank of Commerce.  
Secretary, F. W. Jackson.  
General Manager, R. M. Powers.  
Process of Manufacture, Coal and Springer.  
Population, 32,000.  
Price of Gas in 1889, \$3.00 and discount.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,  
Operate Western, Ft. Wayne and Brush Arc Electric System, 275 Lights.

**Pacific Gas Improvement Co., San Francisco.**

*San Francisco County.*

Capital stock, \$3,000,000 issued.  
Total bonds outstanding, none.  
President, Albert Miller.  
Treasurer, C. O. G. Miller.  
Secretary, I. M. Livingston.  
Purchasing Agent, none.  
Superintendent, F. H. Eichbaum.  
Process of Manufacture, 60 per cent. Water  
Gas, Lowe process, 40 per cent. Coal.  
Population, 300,000.  
Price of Gas in 1889, \$1.75 and \$2.00.  
Approximate annual output, 300,000,000.  
Candle power, 18 to 21.

**San Francisco Gas Light Co., San Francisco.**

*San Francisco County.*

Capital stock, \$10,000,000.  
Total bonds outstanding,  
President, J. B. Crockett.

Treasurer, Wm. G. Barrett.  
Secretary, Wm. G. Barrett.  
Purchasing Agent,  
Engineer, J. B. Crockett.  
Process of Manufacture, Coal and Hanlon-  
Johnson and Lowe (by Springer).  
Population,  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 5,355.  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**San Jose Light and Power Co., San Jose.**

*Santa Clara County.*

Capital stock, \$1,000,000.  
Total bonds outstanding, none.  
President, Adam Riehl.  
Treasurer, C. T. Ryland.  
Secretary, W. W. Gillespie.  
Purchasing Agent,  
Superintendent Gas Plant, J. Fullager, Super-  
intendent Electric Plant, W. W. Gillespie.  
Process of Manufacture, Coal and Lowe.  
Population, 20,000.  
Price of Gas in 1889, \$3.00 and \$3.50.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,  
Operate Brush Electric System, 270 Arc and  
1,000 Incandescent Lights.

**San Luis Obispo Gas Light Co., San Luis Obispo.**

*San Luis Obispo County.*

Capital stock, \$  
Total bonds outstanding,  
President, J. H. Prior.  
Treasurer, J. H. Prior.  
Secretary,  
Purchasing Agent, J. H. Prior.  
Superintendent, A. H. Smith.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$4.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 2,000,000.  
Candle power, 18.

**San Leandro Gas and Electric Light Co., San Leandro.**

*Alameda County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.  
President, Wm. J. Landers.  
Treasurer, B. C. Hawes.  
Secretary, B. C. Hawes.  
Purchasing Agent, none.  
Superintendent, Jas. E. Quinn.  
Process of Manufacture, Naphtha.  
Population, 3,000.  
Price of Gas in 1889, \$3.50 less 10 per cent.  
Number of public lamps, 47.  
Price received for public lamps, \$2 per month.  
Approximate annual output, commenced in 1889.  
Candle power, average 16.

The regulation of the *Thomson-Houston Arc Dynamo* is such that the extinguishment of one or more lamps is followed by a corresponding decrease in power required at the dynamo. See advertisement, page x



**San Rafael Gas and Electric Light Co., San Rafael.***Marin County.*

Capital stock, \$200,000.  
 Total bonds outstanding, none.  
 President, Allan Lee.  
 Treasurer, Allan Lee.  
 Secretary, S. B. Cushing.  
 Purchasing Agent, Allan Lee.  
 Superintendent, Allan Lee.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$3.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 7,000,000.  
 Candle power,  
 Operate Brush Electric System, 37 Arc Lights.

**Santa Cruz Gas Light Co., Santa Cruz.***Santa Cruz County.*

Capital stock, \$  
 Total bonds outstanding,  
 Owned by Estate of David Tuthill.  
 President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$3.00 and \$3.50.  
 Number of public lamps,  
 Price received for public lamps.  
 Approximate annual output,  
 Candle power,

**Santa Rosa Lighting Co., Santa Rosa.***Sonoma County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, J. M. Livingston.  
 Treasurer, C. O. G. Miller.  
 Secretary, C. O. G. Miller.  
 Purchasing Agent, C. O. G. Miller.  
 Superintendent, J. P. Berry.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$3.50.  
 Number of public lamps, 14.  
 Price received for public lamps, \$2 per month.  
 Approximate annual output, 3,600,000.  
 Candle power, 21.  
 Operate Thomson-Houston Electric System, 95  
 Arc and 300 Incandescent Lights.

**Stockton Gas, Light and Heat Co., Stockton.***San Joaquin County.*

Capital stock, \$225,000.  
 Total bonds outstanding, \$100,000.  
 President, Jos. G. Eastland.  
 Treasurer, Jos. G. Eastland.  
 Secretary, A. T. Eastland.  
 Purchasing Agent, A. T. Eastland.  
 Superintendent, Henry Adams.  
 Process of Manufacture, Coal.  
 Population, 15,000.  
 Price of Gas in 1889, \$2.75 with discount.  
 Number of public lamps,  
 Price received for public lamps,

Approximate annual output,  
 Candle power,  
 Operate Ft. Wayne Arc Electric System, about  
 150 Lights, Slattery Incandescent, about 400  
 Lights.

**Tulare Gas Co., Tulare.***Tulare County.*

Capital stock, \$50,000.  
 Total bonds outstanding.  
 President, E. Lathrop.  
 Treasurer, Bank of Tulare.  
 Secretary, H. H. Francisco.  
 Purchasing Agent, T. Bacigalupi.  
 Superintendent, Martin Olsen.  
 Process of Manufacture, Coal.  
 Population, 1,400.  
 Price of Gas in 1889, \$3.50, \$4.00 and \$4.50.  
 Number of public lamps, 25.

**Vallejo Gas Light Co., Vallejo.***Solano County.*

Capital stock, \$75,000.  
 Total bonds outstanding, none.  
 President, E. J. Wilson.  
 Treasurer, Vallejo Commercial Bank.  
 Secretary, G. W. Wilson.  
 Purchasing Agent, G. W. Wilson.  
 Superintendent, J. W. Thomas.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$4.00.  
 Number of public lamps, 62.  
 Price received for public lamps, \$3.25 per month.  
 Approximate annual output, 6,000,000 feet.  
 Candle power, 17.

**Visalia Gas and Electric Light Co., Visalia.**

President, H. P. Perkins.  
 Treasurer,  
 Secretary,  
 Purchasing Agent, V. D. Knupp.  
 Superintendent, Frank Sisler.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$4.00.  
 Operate Western Electric System.

**Watsonville Maxim Gas Co., Watsonville.***Santa Cruz County.*

Capital stock, \$30,000.  
 Total bonds outstanding,  
 President, H. Jackson.  
 Treasurer, A. Lewis.  
 Secretary, George Pardee.  
 Purchasing Agent, Wm. Callahan.  
 Superintendent, Chas. Risdon.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$3.50.  
 Number of public lamps, 21.  
 Price received for public lamps, \$3.50 per 1,000.

**Consolidated Electric Light, Gas and Power Co., Woodland.***Yolo County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, W. W. Brownell.  
 Treasurer, C. W. Bush.

The *Thomson-Houston Incandescent Lamps* have, under repeated tests, burned two or three times their guaranteed life without any blackening of the bulb or diminution of the candle power. See advertisement, page x.

Secretary, C. W. Bush.  
 Lessee of entire plant, O. I. Cheyney.  
 Superintendent, O. I. Cheyney.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$4.00.  
 Number of public lamps, 25 Gas and 16 Electric.  
 Price received for public lamps, \$4 per month.  
 Approximate annual output, 1,000,000.  
 Candle power, 15.  
 Operate Thomson-Houston Electric System, 90  
 Arc Lights.

**Yreka Gas Light Co., Yreka.**

President, William Bisbee.  
 Treasurer, F. A. Autenrieth.  
 Secretary, F. A. Autenrieth.  
 Purchasing Agent, F. A. Autenrieth,  
 Superintendent, F. A. Autenrieth.  
 Process of Manufacture, Wood.  
 Population, 1,800.  
 Price of Gas in 1889, \$7.50.  
 Operate Thomson-Houston Electric System, 90  
 Arc Lights.

COLORADO.

**Colorado Springs Lowe Gas & Electric Co., Colorado Springs.**

*El Paso County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$  
 President, T. S. C. Lowe.  
 Treasurer, L. P. Lowe.  
 Secretary, J. F. Humphrey.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Lowe.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.50, \$2.00, \$1.80, \$1.50.

**The Denver Gas Co., Denver.**

*Arapahoe County.*

Capital stock, \$700,000.  
 Total bonds outstanding, none.  
 President, Wm. J. Fay.  
 Treasurer, 1st. National Bank.  
 Secretary, F. P. McManus.  
 Purchasing Agent,  
 Superintendent, Wm. J. Fay.  
 Process of Manufacture, Coal.  
 Population, about 100,000.  
 Price of Gas in 1889, \$1.50 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 210,000,000.  
 Candle power, 17.

**The Georgetown Gas Co., Georgetown.**

*Clear Creek County.*

Capital stock, \$30,000.  
 Total bonds outstanding, none.  
 President, Chas. R. Fish.  
 Treasurer, Fred P. Dewey.  
 Secretary, Fred P. Dewey.  
 Purchasing Agent, Fred P. Dewey.  
 Superintendent, L. D. Timmons.  
 Process of Manufacture, Oil.  
 Population, 3,000.  
 Price of Gas in 1889, \$4.00.  
 Number of public lamps, 43.  
 Price received for public lamps, \$65 per month.  
 Approximate annual output, 2,400,000.  
 Candle power, 18.

**The Gunnison Gas and Water Co., Gunnison.**

*Gunnison County.*

Capital stock, \$200,000.  
 Total bonds outstanding, none.  
 President, B. W. Lewis.  
 Treasurer, B. W. Lewis.  
 Secretary, D. J. McCanne.  
 Purchasing Agent, D. J. McCanne.  
 Superintendent, D. J. McCanne.  
 Process of Manufacture, Coal.  
 Population, 1,500.  
 Price of Gas, in 1889, \$2.50 to \$3.40.  
 Number of public lamps, 20.  
 Price received for public lamps, \$50.  
 Approximate annual output, 3,500,000.  
 Candle power, 18.

**Leadville Illuminating Gas Co., Leadville.**

*Lake County.*

Capital stock, 100,000.  
 Total bonds outstanding,  
 President, Chas. L. Hall.  
 Treasurer, Dennis Sullivan.  
 Secretary, Arthur Nichols.  
 General Manager, C. L. Hall.  
 Process of Manufacture, Coal and Oil.  
 Population, 20,000.  
 Price of Gas in 1889, \$2.75.  
 Number of public lamps, 121.  
 Price received for public lamps, 110 at \$4.37, 11  
 at \$3.50 per month.  
 Approximate annual output, 20,000,000.  
 Candle power, 18.

**The Monte Vista Electric & Gas Light Co., Monte Vista.**

*Rio Grande County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, F. L. Bishop.  
 Treasurer, R. B. Wallace.  
 Secretary, Orlando Bonner.  
 Purchasing Agent, Orlando Bonner.  
 Superintendent, Orlando Bonner.  
 Process of Manufacture,  
 Population, 1,600.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Edison Incandescent Electric System,  
 400 Lights.

In Colorado Gas Companies in the towns of Pueblo and Trinidad operate the *Thomson-Houston Electric System*. See advertisement, page x.

## COLORADO.

**The Pueblo Gas & Electric Light Co., Pueblo.***Pueblo County.*

Capital stock, \$ 300,000.  
 Total bonds outstanding, \$  
 President, O. H. R. Baxter.  
 Treasurer, Jno. A. Thatcher.  
 Secretary, L. M. Hovey.  
 Purchasing Agent, L. M. Hovey.  
 Superintendent, D. E. McCartney.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, average \$1.75.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Thomson-Houston Electric System, 200  
 Arc Lights, and Heisler Incandescent System,  
 1,400 Lights.

**Trinidad Gas Co., Trinidad.***Las Animas County.*

Capital stock, \$100,000,  
 Total bonds outstanding, \$  
 President, D. Gottlieb.  
 Treasurer, Barney Levy.  
 Secretary, Barney Levy.  
 Purchasing Agent, W. K. Carruthers.  
 Superintendent, D. J. Luby.  
 Process of Manufacture, Coal.  
 Population, 15,000.  
 Price of Gas in 1889, \$1.85.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System, 100  
 Arc Lights.

## CONNECTICUT.

**Derby Gas Co., Birmingham.***New Haven County.*

Capital stock, \$180,000.  
 Total bonds outstanding, \$25,000.  
 President, William B. Wooster.  
 Treasurer, Charles H. Nettleton.  
 Secretary, Charles H. Nettleton.  
 Purchasing Agent, Charles H. Nettleton.  
 Superintendent, Charles H. Nettleton.  
 Process of Manufacture, Coal.  
 Population, district supplied about 18,000.  
 Price of Gas in 1889, average \$1.49.  
 Number of public lamps, 60.  
 Price received for public lamps, about \$10.  
 Approximate annual output, 36,000,000.  
 Candle power, 18.50.  
 Operate Thomson-Houston Electric System, 130  
 Arc and 250 Incandescent Lights.

**The Bridgeport Gas Light Co., Bridgeport.***Fairfield County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$50,000.  
 President, Wm. R. Higby.  
 Treasurer, F. B. Sammis.  
 Secretary, F. B. Sammis.  
 Purchasing Agent,  
 Superintendent, Chas. A. Gerdenier.  
 Process of Manufacture, Coal.  
 Population, 50,000.  
 Price of Gas in 1889, \$1.70.

**Danbury and Bethel Gas and Electric Light Co., Danbury.***Fairfield County.*

Capital stock, \$200,000.  
 Total bonds outstanding,  
 President, Charles H. Merritt.  
 Treasurer, H. Williams.  
 Secretary, Geo. E. Cowperthwait.  
 Purchasing Agent,  
 Superintendent, Geo. E. Cowperthwait.  
 Process of Manufacture, Edgerton.  
 Population, 18,000.  
 Price of Gas in 1889, \$1.45 per 14 candle.  
 Number of public lamps,

Price received for public lamps,  
 Approximate annual output,  
 Candle power, 35.  
 Operate Schuyler Arc Electric System, 85 Lights.

**Killingly Electric Light Co., Danielsonville.***Windham County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$25,000.  
 President, F. A. Jacobs.  
 Treasurer, E. L. Palmer.  
 Secretary, E. L. Palmer.  
 Purchasing Agent, E. L. Palmer.  
 Superintendent, C. N. Montgomery.  
 Process of Manufacture, Evans.  
 Population, 4,000.  
 Price of Gas,  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, Works not started  
 until January, 1890.  
 Candle power, not yet tested.  
 Operate Ball Electric System, 31 Arc Lights for  
 streets.

**Hartford City Gas Light Co., Hartford.***Hartford County.*

Capital stock, \$750,000.  
 Total bonds outstanding,  
 President, James L. Howard.  
 Treasurer, John P. Harbison.  
 Secretary, Thomas Evans.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 50,000.  
 Price of Gas in 1889, \$1.40 net.

**Meriden Gas Light Co., Meriden.***New Haven County.*

Capital stock, \$175,000.  
 Total bonds outstanding, none.  
 President, Geo. R. Curtis.  
 Treasurer, Samuel Dodd.  
 Secretary, Samuel Dodd.  
 Purchasing Agent, J. A. Hadley.

In Connecticut the Gas Companies in the towns of Birmingham, Meriden and Putnam operate the *Thomson-Houston Electric System*. See advertisement, page x.



Superintendent, J. A. Hadley.  
 Process of Manufacture, Coal.  
 Population, 25,000.  
 Price of Gas in 1889, \$1.89 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 26,000.  
 Candle power, 17.  
 Operate American Arc Electric System, 150  
 Lights and Thomson-Houston Incandescent  
 System, 324 Lights.

#### Middletown Gas Light Co., Middletown.

*Middlesex County.*

Capital stock, \$150,000.  
 Total bonds outstanding, none.  
 President, A. B. Calef.  
 Treasurer, F. E. Camp.  
 Secretary, F. E. Camp.  
 Purchasing Agent, F. E. Camp.  
 Superintendent, J. H. Jones.  
 Process of Manufacture, Lowe.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 22.

#### New Britain Gas Light Co., New Britain.

*Hartford County.*

Capital stock, \$150,000.  
 Total bonds outstanding, none.  
 President, Geo. M. Landers.  
 Treasurer, A. P. Collins.  
 Secretary, A. P. Collins.  
 Purchasing Agent, E. C. Learned.  
 Superintendent, E. C. Learned.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of Gas in 1889, \$2.00, 10 and 15% discount.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 20,000,000.  
 Candle power,

#### Greenwoods Co., New Hartford.

*Litchfield County.*

Manufacturers of cotton duck, having gas  
 works in connection with mills and supplying  
 the village.  
 Robert R. Smith is general manager of the  
 concern, and also purchaser of supplies, etc.;  
 has general oversight of the gas works.

#### The New Haven Gas Light Co., New Haven.

*New Haven County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding,  
 President, Daniel Trowbridge.  
 Treasurer, I. J. Wild.  
 Secretary, G. Morse, Jr.  
 Purchasing Agent,  
 Superintendent, F. C. Sherman.  
 Process of Manufacture, Coal and Lowe.  
 Population,  
 Price of Gas in 1839, \$1.50.  
 Number of public lamps, 800.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

#### New London Gas Light Co., New London.

President, Andrew C. Lippitt.  
 Treasurer, Chas. C. Lippitt.  
 Secretary, Chas. C. Lippitt.  
 Superintendent, Andrew C. Lippitt.  
 Process of Manufacture, Coal.  
 Population, 12,000.

#### Norwalk Gas Light Co., Norwalk.

*Fairfield County.*

Capital stock, \$87,500.  
 Total bonds outstanding, none.  
 President, E. J. Hill.  
 Treasurer, E. J. Hill.  
 Secretary, E. H. Parker.  
 Purchasing Agent, E. H. Parker.  
 Superintendent, L. C. Hanford.  
 Process of Manufacture, Coal.  
 Population, 17,000.  
 Price of Gas in 1889, \$1.60 to \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 12,000,000.  
 Candle power, 18.  
 Operate Ball Arc Electric System, 110 Lights.

#### Norwich City Gas Co., Norwich.

*New London County.*

Capital stock, \$125,000.  
 Total bonds outstanding,  
 President, Franklin Nicklos.  
 Treasurer, C. C. Johns.  
 Secretary, C. C. Johns.  
 Purchasing Agent,  
 Superintendent, O. Gillmer.  
 Process of Manufacture, Coal and Lowe.  
 Population, 20,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

#### Putnam Light and Power Co., Putnam.

*Windham County.*

Capital stock, \$40,000.  
 Total bonds outstanding,  
 President, F. W. Perry.  
 Treasurer, A. W. Bowen.  
 Secretary, A. W. Bowen.  
 Purchasing Agent, A. W. Bowen.  
 Superintendent, A. W. Bowen.  
 Process of Manufacture, McKay-Critchelow.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 3,000,000.  
 Candle power, 22.  
 Operate Thomson-Houston Electric System, 45  
 Arc and 250 Incandescent Lights.

#### Rockville Gas Light Co., Rockville.

President,  
 Treasurer, J. N. Stickney.  
 Secretary, J. N. Stickney.  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1888, \$2.25, 10% disc.

The same characteristics of excellence are maintained in all the details as are shown in the *Thomson-Houston Dynamo*. See advertisement, page x.

**The Stamford Gas Light Co., Stamford.***Fairfield County.*

Capital stock, \$125,000.  
 Total bonds outstanding, \$80,000.  
 President, Walton Ferguson.  
 Treasurer, Geo. E. Scofield.  
 Secretary, Jas. I. Raymond.  
 Purchasing Agent,  
 Superintendent, Edward Gay.  
 Process of Manufacture, Jerzmanowski.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 185.  
 Price received for public lamps, \$19.00 per year  
 for  $\frac{1}{2}$  night.  
 Approximate annual output, 20,000,000.  
 Candle power, 16 to 18.

**Wallingford Gas Light Co., Wallingford,***New Haven County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$20,000.  
 President, W. J. Leavenworth.  
 Treasurer, W. J. Leavenworth.  
 Secretary, L. M. Hubbard.  
 Purchasing Agent, W. J. Leavenworth.  
 Superintendent, F. H. Lane.  
 Process of Manufacture, Edgerton.  
 Population, 6,500.  
 Price of Gas in 1889, 1c. per hour for 16 candle.  
 Number of public lamps, 91.  
 Price received for public lamps, \$20.  
 Approximate annual output, 2,000,000.  
 Candle power,

**The Waterbury Gas Light Co., Waterbury.***New Haven County.*

Capital stock, \$250,000.  
 Total bonds outstanding, some bonds.  
 President, J. S. Pierson.  
 Treasurer, F. B. Field.  
 Secretary, F. B. Field.  
 Works leased to United Gas Improvement Co.  
 Superintendent, E. H. Williams.

Process of Manufacture, Lowe.  
 Population, 27,500 estimated in city.  
 Price of Gas in 1889, \$2.00 with discounts.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Willimantic Gas Co., Willimantic.***Windom County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, Col. Sherman, Newport, R. I.  
 Treasurer, J. Howard Manchester, Bristol, R. I.  
 Secretary, W. Manchester, Bristol, R. I.  
 Purchasing Agent, J. H. Manchester, Bristol.  
 Superintendent, J. H. Manchester, Bristol, R. I.  
 Process of Manufacture, Lowe (by Hanlon—  
 Leadley.)  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00, \$2.25 and \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, 22

**The Winsted Gas Co., Winsted.***Litchfield County.*

Capital stock, \$60,000.  
 Total bonds outstanding, none.  
 President, Rufus E. Holmes.  
 Treasurer, Henry Skinner.  
 Secretary, Henry Skinner.  
 Purchasing Agent, Henry Skinner.  
 Superintendent, Henry Skinner.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 7,000.  
 Price of Gas in 1889, 2.50 with discounts.  
 Number of public lamps, 15.  
 Price received for public lamps,  
 Approximate annual output, 2,000,000.  
 Candle power, 20 to 24.  
 Operate Brush Arc Electric System 50 Lights,  
 United States Alternating Incandescent, 500  
 Lights.

## DELAWARE.

**The Dover Gas Light Co., Dover.***Kent County.*

Capital stock, \$22,000.  
 Total bonds outstanding,  
 President, A. B. Richardson.  
 Treasurer, W. S. Wilson.  
 Secretary, W. S. Wilson.  
 Purchasing Agent, President.  
 Superintendent, Burton Wilson.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.00 less 10%.  
 Number of public lamps, 50.  
 Price received for public lamps, \$165.  
 Approximate annual output, 5,000,000.  
 Candle Power, 18.

**New Castle Gas Co., New Castle.***New Castle County.*

Capital stock, \$45,000.  
 Total bonds outstanding, \$29,000.  
 President, Thomas T. Tasker, Sen.  
 Treasurer, Wm. H. Clark.  
 Secretary, Wm. H. Clark.  
 Purchasing Agent, Wm. H. Clark.  
 Superintendent, Jas. B. Lancaster.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3 for private, \$2 mfg.,  
 \$1.85 city.  
 Number of public lamps, 43.  
 Price received for public lamps, \$18.75.  
 Approximate annual output, 2,000,000.  
 Candle power, 16.

The problem of long distance incandescent lighting is successfully solved by the *Thomson-Houston Transformer System*. See advertisement, page x.

**Smyrna Coal, Gas & Coke Co., Smyrna.***Kent County.*

Capital stock, \$20,000.  
 Total bonds outstanding, \$  
 President, Patrick Maguire.  
 Treasurer, Jos. Smithers.  
 Secretary, Jos. Smithers.  
 Purchasing Agent,  
 Superintendent, Jos. Smithers.  
 Process of Manufacture, Coal.  
 Population, \$3,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps, 50.  
 Price received for public lamps, \$7.50 per yr.  
 Approximate annual output, 2,500,000.  
 Candle power, 20.

**Wilmington Coal Gas Co., Wilmington.***New Castle County.*

Capital stock, \$428,400.  
 Total bonds outstanding, none.  
 President, Edward Betts.  
 Treasurer, William P. Taylor.  
 Secretary, William P. Taylor.  
 Purchasing Agent,  
 Superintendent, Thomas Curley.  
 Process of Manufacture, about  $\frac{3}{4}$  coal and  $\frac{1}{4}$  oil and water.  
 Population, 60,000.  
 Price of Gas in 1889, \$1.35 gross, \$1.25 net.  
 Number of public lamps, 804.  
 Price received for public lamps, \$16.75.  
 Approximate annual output, 120,000,000.  
 Candle power, 20 $\frac{1}{2}$ .

**DISTRICT OF COLUMBIA.****Georgetown Gas Light Co., Georgetown.**

Capital stock, \$144,000.  
 Total bonds outstanding, none.  
 President, John Leetch.  
 Treasurer, John Leetch.  
 Secretary, George W. Crolepy,  
 Purchasing Agent,  
 Superintendent, I. D. Cathell.  
 Process of Manufacture, Coal.  
 Population, 14,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 442.  
 Price received for public lamps, \$20.  
 Approximate annual output, 30,000,000.  
 Candle power, 17.20.

**Washington Gas Light Co., Washington.***District of Columbia.*

Capital stock, \$2,000,000.  
 Total bonds outstanding, \$600,000.  
 President, George A. McIlhenny.  
 Treasurer, John C. Poor.  
 Secretary, Charles B. Bailey.  
 Purchasing Agent,  
 Superintendent, Thomas G. Lansden.  
 Process of Manufacture, Coal and Lowe (by Flannery).  
 Population, 200,000.  
 Price of Gas in 1889, \$1.25 to private consumers, 92c. to public lighting.  
 Number of public lamps, 5,000.  
 Price received for public lamps, \$20.  
 Approximate annual output, 700,000,000.  
 Candle power, 25.

**FLORIDA.****Gainesville Gas & Electric Light Co., Gainesville.***Alachua County.*

Capital stock,  
 Total bonds outstanding,  
 President, W. J. Winegar, Palatka, Fla.  
 Secretary, G. Loper Bailey.  
 Treasurer, G. Loper Bailey.  
 Purchasing Agent, C. J. Hayes, Palatka, Fla.  
 Superintendent, C. J. Hayes, Palatka, Fla.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas, \$2.50 Light; \$2.00 Fuel; disc. 10%.  
 Charter provides for Electric Lights also.  
 Number of public lamps, 55.  
 Price received for public lamps, \$25.00.  
 Approximate annual output, 5,000,000.  
 Candle power.

**Citizens Gas & Electric Co., Jacksonville.***Duval County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$41,500.  
 President, S. B. Hubbard.

Treasurer, A. F. Perry.

Secretary, A. F. Perry.

Purchasing Agent,

Superintendent, C. S. Hammatt.

Process of Manufacture, Lowe.

Population, 35,000.

Price of Gas in 1889, \$2.50 net.

Number of public lamps, 100.

Price received for public lamps, \$30.

Approximate annual output, 20,000,000.

Candle power, 22.

Operate Thomson-Houston Electric System, 200 Arc and 1,300 Incandescent Lights.

**Key West Gas & Electric Light Co., Key West.**

President, John Jay Philbrick.

Treasurer, Jeremiah Fogarty.

Secretary, Ramun A. Monsalvatge.

Purchasing Agent,

Superintendent,

Process of Manufacture, Oil.

Population, 10,000.

Operate ——— Electric System.

In Florida the Gas Company in the city of Jacksonville operates the *Thomson-Houston Electric System*. See advertisement, page x.



## FLORIDA.

**South Florida Gas Co., Orlando.***Orange County.*

Capital stock, \$40,000.  
 Total bonds outstanding, none.  
 President, Perry A. Foster.  
 Treasurer, J. N. Bradshaw.  
 Secretary, J. N. Bradshaw.  
 Purchasing Agent, Geo. W. Nass.  
 Superintendent, Geo. W. Nass.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 6,000.  
 Price of Gas in 1889, \$2.40.  
 Number of public lamps, 40.  
 Price received for public lamps, \$25.  
 Approximate annual output,  
 Candle power, 22,

**Palatka Gas Light & Fuel Co., Palatka.***Putnam County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$26,000.  
 President, H. G. Payne.  
 Treasurer, Robt. F. Smith.  
 Secretary, Robt. F. Smith.  
 Purchasing Agent,  
 Superintendent, C. J. Hayes.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 75.  
 Price received for public lamps.  
 Approximate annual output, 4,000,000.  
 Candle power, 18.

**Pensacola Gas Co., Pensacola.***Escambia County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$  
 President, W. W. Gibbs.  
 Treasurer, E. C. Lee.  
 Secretary, E. C. Lee.  
 Purchasing Agent, C. E. Morgan, Drexel Building, Philadelphia.  
 Superintendent, C. F. Zeek.  
 Process of Manufacture, Edgerton.  
 Population, 15,000.  
 Price of Gas in 1889, \$5.00 per 1,000 for 35 candle power, or \$2.00 per 1,000 for 14 candle power.  
 Number of public lamps, 116.

Price received for public lamps, \$20 per annum.  
 Approximate annual output, 5,000,000 cubic feet for 35 candle power, or 12,500,000 cubic feet of 14 candle power.  
 Candle power, 35.

**Sanford Light & Fuel Co., Sanford.***Orange County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$25,000.  
 President, H. L. De Forest.  
 Treasurer, S. O. Chase.  
 Secretary, S. O. Chase.  
 Purchasing Agent, President.  
 Superintendent,  
 Process of Manufacture, Lowe.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 67.  
 Price received for public lamps, \$25.  
 Approximate annual output, 2,500,000.  
 Candle power, 18.

**St. Augustine Gas & Electric Light Co., St. Augustine.***St. Johns County.*

Capital stock, \$97,000 (\$100,000 authorized).  
 Total bonds outstanding, \$  
 President, Wm. G. Warden.  
 Treasurer, J. W. Allen.  
 Secretary, C. D. Blauvelt.  
 Purchasing Agent, Chas. E. Morgan, Drexel Building, Philadelphia.  
 Superintendent, C. D. Blauvelt.  
 Process of Manufacture, Lowe.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 120.  
 Price received for public lamps, \$20.  
 Approximate annual output, 11,600,000.  
 Candle power, 22.

**Tallahassee Gas & Electric Light Co., Tallahassee.**

President, E. S. Crill.  
 Treasurer, E. S. Crill.  
 Secretary, W. M. McIntosh, Jr.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 4,500.  
 Price of Gas in 1889, \$2.50.  
 Charter also provides for Electric Light.

## GEORGIA.

**The Americus Light and Power Co., Americus.***Sumter County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$60,000.  
 President, W. M. Hawkes.  
 Treasurer, W. E. Murphy.  
 Secretary, W. E. Murphy.  
 Purchasing Agent, W. E. Murphy.  
 Superintendent, Z. H. Gilreath.  
 Process of Manufacture, Sutherland.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 125 gas, 50 arc electric.  
 Price received for public lamps, \$128.00 each.  
 Approximate annual output,  
 Candle power, 16.  
 Operate Thomson-Houston Electric System,  
 50 Arc and 600 Incandescent Lights.

**Athens Gas Light Co. and Electric Co., Athens.**

Capital stock, \$125,000.  
 Total bonds outstanding, none.  
 President, J. A. Hunnecott.  
 Treasurer, W. A. Robinson.  
 Secretary and Manager, J. T. Robinson.  
 Purchasing Agent, J. T. Robinson.  
 Superintendent, J. T. Robinson.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1890, \$2.50.  
 Number of public lamps, 182.  
 Price received for public lamps, \$23.50 each.  
 Approximate annual output,  
 Candle power, 16 to 17½.  
 Operate Thomson-Houston Electric System,  
 100 Arc and 1300 Incandescent Lights.

In Georgia the Gas Companies in the towns of Americus, Athens, Brunswick, Macon and Rome operate the *Thomson-Houston Electric System*. See advertisement, page x.

**Atlanta Gas Light Co., Atlanta.**

*Fulton County.*

Capital stock, \$414,625 issued, \$ authorized.  
Total bonds outstanding, .  
President, T. G. Healey.  
Treasurer, Edward C. Lee.  
Secretary, J. H. Mecaslin.  
Purchasing Agent, Chas. E. Morgan, Drexel Building, Phila.  
Manager, W. G. Abel.  
Process of Manufacture, Coal.  
Population, 75,000.  
Price of Gas in 1889, \$1.00 net.  
Number of public lamps, none.  
Price received for public lamps, .  
Approximate annual output, 105,000,000.  
Candle power, 17.

**Gate City Gas Light Co., Atlanta.**

*Fulton County.*

Capital stock, \$200,000.  
Total bonds outstanding, \$70,000.  
President, H. Jackson.  
Treasurer, Edward C. Lee.  
Secretary, W. L. Cosgrove.  
Purchasing Agent, Chas. E. Morgan, Drexel Building, Phila.  
Manager, W. G. Abel.  
Process of Manufacture, Lowe.  
Population, 75,000.  
Price of Gas in 1889, \$1.00 net.  
Number of public lamps, none.  
Price received for public lamps, .  
Approximate annual output, 37,000,000.  
Candle power, 22.

**The Gas Light Co. of Augusta, Augusta.**

*Richmond County.*

Capital stock, \$160,000.  
Total bonds outstanding, none.  
President, Hon. Geo. T. Barnes.  
Treasurer, Hon. Geo. T. Barnes.  
Secretary, Horton B. Adam.  
Purchasing Agent, George S. Hookey.  
Superintendent, George S. Hookey.  
Process of Manufacture, Coal.  
Population, about 50,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 500.  
Price received for public lamps, \$12.50.  
Approximate annual output, .  
Candle power, 18.

**Brunswick Light and Water Co., Brunswick.**

*Glynn County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$100,000.  
President, W. E. Burbage.  
Treasurer, W. E. Sutton.  
Secretary, W. E. Sutton.  
Purchasing Agent, .  
Superintendent, W. E. Sutton.  
Process of Manufacture, Coal.  
Population, 12,500.  
Process of Gas in 1889, \$2.00.  
Number of public lamps, 140.  
Price received for public lamps, \$20.00.  
Approximate annual output, 7,500,000.  
Candle power, 18.  
Operate Thomson-Houston Electric System, 110 Arc Lights.

**Empire Water, Light and Mfg. Co., Cedartown.**

President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population,  
Price of Gas in 1889,  
Operate ——— System Electric Light.

**Cartersville Improvement, Gas and Water Co., Cartersville.**

*Bartow County.*

Capital stock, \$28,000.  
Total bonds outstanding, \$35,000.  
President, Hiram Blaisdell, 505 Tacoma Building, Chicago.  
Treasurer, Peter W. French, 70 Federal Street, Boston.  
Secretary, John H. Wickle, Cartersville, Ga.  
Purchasing Agent, Wm. B. Miller, Cartersville, Ga.  
Superintendent, Wm. B. Miller, Cartersville, Ga.  
Process of Manufacture, Oil.  
Population, 4,000.  
Price of Gas in 1889, \$1.80.  
Number of public lamps, 75.  
Price received for public lamps, \$25.  
Approximate annual output, .  
Candle power, 65.

**The Gas Light Co. of Columbus, Columbus.**

*Muscogee County.*

Capital stock, \$30,525.  
Total bonds outstanding,  
President, T. E. Blanchard.  
Treasurer, T. D. Huff.  
Secretary, T. D. Huff.  
Purchasing Agent, E. H. Jenkins.  
Superintendent, E. H. Jenkins.  
Process of Manufacture, Coal.  
Population, 30,000.  
Price of Gas in 1889, \$1.75 net, special \$1.60 net.  
Number of public lamps, 76.  
Price received for public lamps, \$25.00.  
Approximate annual output, 13,000,000.  
Candle power, 18.

**The Dalton Electric and Gas Light Co., Dalton.**

*Whitfield County.*

Capital stock, \$25,000.  
Total bonds outstanding,  
President, T. R. Jones.  
Treasurer, R. I. Peak.  
Secretary, R. I. Peak.  
Purchasing Agent,  
Superintendent, Chas. G. Spencer.  
Process of Manufacture,  
Population, 4,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 50.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 22

The *Thomson-Houston Arc Lamps* burn with absolute quietness and freedom from hissing and are perfectly self adjusting. See advertisement, page x.



**Macon Gas Light and Water Co., Macon.***Bibb County.*

Capital stock, \$150,000.  
 Total bonds outstanding, \$150,000.  
 President,  
 Treasurer, Geo. F. Work, Bank of America,  
 Philadelphia.  
 Secretary, Geo. F. Work, Bank of America,  
 Philadelphia.  
 Purchasing Agent, J. W. Wilcox.  
 Superintendent, J. W. Wilcox.  
 Process of Manufacture, Coal and Martin.  
 Population, 33,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 37,000,000.  
 Candle power, 21.  
 Operate Thomson-Houston Electric System, 150  
 Arc, and 525 Incandescent Lights.

**Consumers Gas Works.**

Owned by same company as Macon Gas and  
 Water Co. Pumping Gas from Macon Gas  
 Works into Holders of Consumers Works.

**Rome Gas Light Co., Rome.***Floyd County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, Capt. R. T. Coverdale.  
 Treasurer, J. J. Childs.  
 Secretary, J. J. Childs.  
 Purchasing Agent, J. J. Childs.  
 Superintendent, John C. Childs.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.50, \$1.80, \$2.00, \$2.50.  
 Number of Electric public lamps, 24 Arc and  
 105 Incandescent.

Price received for public lamps, \$96.00 for Arc,  
 and \$42.00 for Incandescent.  
 Approximate annual output, 5,000,000.  
 Candle power, 20 to 22.  
 Operate Thomson-Houston Electric System, 50  
 Arc and 105 Incandescent.

**Mutual Gas Light Co., Savannah.***Chatham County.*

Capital stock, \$150,000.  
 Total bonds outstanding, \$100,000.  
 President, Henry Blun.  
 Treasurer, Edward C. Lee, Drexel Building,  
 Philadelphia.  
 Secretary, David Douglas.  
 Purchasing Agent, C. E. Morgan, Drexel Build-  
 ing, Philadelphia.  
 Superintendent, David Douglas.  
 Process of Manufacture, Lowe.  
 Population, 60,000.  
 Price of Gas in 1889, \$1.80 to \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 50,000,000.  
 Candle power, 28 to 30.

**Thomasville Gas Co., Thomasville.***County.*

Capital stock, 30,000.  
 Total bonds outstanding, \$30,000.  
 President, Col. A. P. Wright, Thomasville, Ga.  
 Treasurer, E. M. Smith.  
 Secretary, E. M. Smith.  
 Purchasing Agent, H. D. Fitch, Louisville, Ky.  
 Superintendent, R. L. Dodson.  
 Process of Manufacture, Oil.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 59.  
 Price received for public lamps, \$30 per annum.  
 Approximate annual output,  
 Candle power, 70.

## ILLINOIS.

**Alton Gas and Electric Light Co., Alton.***Madison County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$40,000.  
 President, F. L. Underwood.  
 Treasurer, F. L. Underwood.  
 Secretary, William Tracy.  
 Purchasing Agent, William Tracy.  
 Superintendent, Wm. Tracy.  
 Process of Manufacture, Coal.  
 Population, 16,000.  
 Price of Gas in 1889, \$2.25 light; Gas stoves,  
 \$1.80.  
 Number of public lamps, 93.  
 Price received for public lamps, \$24.  
 Approximate annual output, 7,000,000.  
 Candle power, 17.  
 Operate American Electric System, 100 Arc  
 Lights.

**Aurora Gas Light Co., Aurora.***Kane County.*

Capital Stock, \$100,000.  
 Total bonds outstanding, \$.

President, Ira B. Copley.  
 Treasurer, Ira B. Copley.  
 Secretary, Ira Clifton Copley.  
 Purchasing Agent, Ira Clifton Copley.  
 Superintendent, Ira Clifton Copley.  
 Process of Manufacture, Pratt & Ryan.  
 Population, 25,000.  
 Price of Gas in 1889, \$1 per M.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 18,000,000.  
 Candle power, 24.

**Excelsior Gas Co., Aurora.***Kane County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$.  
 President, Peter English.  
 Treasurer, Peter English.  
 Secretary, Frank English.  
 Purchasing Agent,  
 Superintendent, Peter English.  
 Process of Manufacture, Peter English.  
 Population, 25,000.

In Illinois the Gas Companies in the towns of Cairo, Canton, Free-  
 port, Galesburg, Jacksonville, LaSalle, Litchfield, Peoria, Peru and Quincy  
 operate the *Thomson-Houston Electric System*. See advertisement, page x.



Price of Gas in 1889, \$1.25.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 18,000,000.  
 Candle power, 24.

**Belleville Gas Light & Coke Co., Belleville.**

*St. Clair County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, John Eimer.  
 Treasurer, Ed. Abend.  
 Secretary, Ed. Abend.  
 Purchasing Agent,  
 Superintendent, H. Maguire.  
 Process of Manufacture, Coal.  
 Population, 14,000.  
 Price of Gas in 1889, \$1.50 net.  
 Number of public lamps,  
 Price received for public lamps, \$.  
 Approximate annual output, 15,000,000.  
 Candle power, 17.  
 Operate Brush Electric System, 10 Arc Lights.

**Citizens Gas Light and Heating Co., Bloomington.**

*McLean Co.*

Capital stock, \$250,000.  
 Total bonds outstanding, \$.  
 President, P. P. Mast.  
 Treasurer, J. A. Wilcox.  
 Secretary, J. A. Wilcox.  
 Purchasing Agent,  
 Superintendent, Willard Parrit.  
 Process of Manufacture, Coal.  
 Population, 25,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, none.  
 Price received for public lamps, \$.  
 Approximate annual output,  
 Candle power,  
 Operate Westinghouse Electric System, 35 Arc  
 and 750 Incandescent Lights.

**Cairo City Gas Co., Cairo.**

*Alexander County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$.  
 President, H. L. Halliday.  
 Treasurer, H. L. Halliday.  
 Secretary, Jno. W. Eakin.  
 Purchasing Agent, H. L. Halliday.  
 Superintendent, John J. Rowe.  
 Process of Manufacture, Coal.  
 Population, 15,000.  
 Price of Gas in 1889, \$2.00 for illu.; \$1.50 for  
 stoves.  
 Number of public lamps, 184.  
 Price received for public lamps,  
 Approximate annual output.  
 Candle power,  
 Operate Thomson-Houston Electric System, 100  
 Arc Lights.

**People's Gas and Electric Light Co., Canton.**

*Fulton County.*

Capital stock, \$.  
 Total bonds outstanding, \$.  
 President, A. C. Babcock.  
 Treasurer, W. H. Parlin.  
 Secretary, W. H. Parlin.  
 Purchasing Agent, S. A. Drake.

Superintendent, S. A. Drake.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50 net.  
 Number of public lamps, 104.  
 Price received for public lamps, \$2.50 per month.  
 Approximate annual output, 4,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System, 50  
 Arc Lights.

**Carlinville Gas Works, Carlinville.**

*Macoupin County.*

Capital stock,  
 Total bonds outstanding, \$.  
 President, W. F. Mounts.  
 Treasurer, W. F. Mounts.  
 Secretary, W. F. Mounts.  
 Purchasing Agent, W. F. Mounts.  
 Superintendent, W. F. Mounts.  
 Process of Manufacture, Coal and Springer.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 2,000,000.  
 Candle power, 15.

**Centralia Gas Light and Coke Co., Centralia.**

*Marion County.*

Capital stock, \$35,000.  
 Total bonds outstanding, none.  
 President, S. M. Warner.  
 Treasurer, F. Kohl, Sr.  
 Secretary, F. Kohl, Sr.  
 Purchasing Agent,  
 Superintendent, T. Lea Parkinson.  
 Process of Manufacture, Coal.  
 Population, 5,500.  
 Price of Gas in 1889, \$2.00 Light, \$1.75 fuel.  
 Number of public lamps, 72.  
 Price received per public lamps, about \$8.00.  
 Approximate annual output, about 4,000,000.  
 Candle power,

**Champaign and Urbana Gas Light and Coke Co., Cham-  
 paign.**

Capital stock, \$  
 [Company in hands of a Receiver.]  
 Total bonds outstanding, \$  
 President, Wm. Walter Phelps.  
 Treasurer, A. J. Chesebro'.  
 Secretary, W. S. Maxwell.  
 Purchasing Agent, A. J. Chesebro'.  
 Superintendent, A. J. Chesebro'.  
 Process of Manufacture, from Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 22.

**Chicago Gas Light and Coke Co., Chicago.**

*Cook County.*

Capital stock, \$5,000,000.  
 Total bonds outstanding, \$7,650,000.  
 President, Chas. T. Yerkes.  
 Treasurer, Geo. A. Yuille.  
 Secretary, Geo. A. Yuille.

No Company that has adopted the *Thomson-Houston System* has  
 ever replaced it by any other. See advertisement, page x.

Purchasing Agent, none.  
 Superintendent, Geo. O. Knapp.  
 Process of Manufacture, Springer.  
 Population,  
 Price of Gas in 1880, \$1.25 net.  
 Number of public lamps, 8,500.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 1,500,000,000.  
 Candle power, 27.

#### **Consumers' Gas Co., Chicago.**

*Cook County.*

Capital stock, \$5,000,000.  
 Total bonds outstanding, \$3,832,000.  
 President, C. E. Judson.  
 Treasurer, C. F. Bryant.  
 Secretary, C. F. Bryant.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Lowe-Springer, Jeremmy & Flannery.  
 Population, 1,100,000.  
 Price of Gas in 1889, \$1.25 and \$1.00 net.  
 Number of public lamps, 139.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 750,000,000.  
 Candle power, 23¼.

#### **Economic Light and Heating Gas Co. (Englewood and Lake), Chicago.**

President, Jesse Sherwood.  
 Treasurer, Chas. E. Rollo.  
 Secretary, John M. Wanless,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Oil.  
 Population, 65,000.  
 Price of Gas in 1889,

#### **Equitable Gas Light and Fuel Co., Chicago.**

*Cook County.*

Capital stock, \$3,000,000.  
 Total bonds outstanding, \$2,000,000.  
 President, Geo. O. Knapp.  
 Treasurer, Geo. A. Yuille.  
 Secretary, Geo. A. Yuille.  
 Purchasing Agent, John Williamson.  
 Superintendent, Geo. O. Knapp.  
 Process of Manufacture, Jerzmanowski.  
 Population, 1,100,000.  
 Price of Gas in 1889, \$1.25 net.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 100,000,000.  
 Candle power, 23 to 26.

#### **Hyde Park Gas Co. (Hyde Park), Chicago.**

Capital stock, \$300,000.  
 Bonds, \$200,000.  
 President, C. E. Judson.  
 Treasurer, C. F. Bryant.  
 Secretary, C. F. Bryant.  
 Superintendent, A. A. Chichester.  
 Gas purchased from the Consumers Gas Co.  
 Price of Gas, \$1 25 for illumination, and \$1.00 for fuel.  
 Number of public lamps, 1,435.  
 Price received for public lamps, \$1.  
 Approximate annual output, 72,000,000.  
 Candle power, 23¼.

#### **Lake Gas Co. (Englewood), Chicago.**

*Cook County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$300,000.  
 President, C. E. Judson.  
 Treasurer, C. F. Bryant.  
 Secretary, C. F. Bryant.  
 Purchasing Agent, C. F. Bryant.  
 Superintendent, A. A. Chichester.  
 Process of Manufacture, purchase from Consumers Gas Co.  
 Population,  
 Price of Gas in 1889, \$1.75 net, now \$1.25 and \$1.00 net.  
 Number of public lamps, 1,023.  
 Price received for public lamps, \$1.  
 Approximate annual output, 76,000,000.  
 Candle power, 23¼.

#### **The People's Gas Light and Coke Co., Chicago.**

*Cook County.*

Capital stock, \$4,000,000.  
 Total bonds outstanding, \$4,600,000.  
 President, C. K. G. Billings.  
 Treasurer, John S. Zimmerman.  
 Secretary, John S. Zimmerman.  
 Vice-President and Engineer, Geo. O. Knapp.  
 Process of Manufacture, Springer.  
 Population, 450,000, district.  
 Price of Gas in 1889, \$1.25 net.  
 Number of public lamps, 12,000.  
 Price received for public lamps, \$20.00.  
 Approximate annual outfit, 900,000,000.  
 Candle power, 22.

#### **The Mutual Fuel Gas Co., Chicago.**

*Cook County.*

Capital stock, \$500,000.  
 Total bonds outstanding, none.  
 President, George M. Bogue.  
 Treasurer, John J. Mitchell.  
 Secretary and Gen. Manager, J. Frank Aldrich.  
 Process of Manufacture, Evans and Fahnehjelm System, Fuel Gas.  
 Population, 1,000,000.  
 Price of Gas, not yet fixed.

#### **Danville Gas Light Co., Danville.**

*Vermilion County.*

Capital stock, \$61,100.  
 Total bonds outstanding, \$10,000.  
 President, Wm. P. Chandler.  
 Treasurer, Jos. H. Woodmansee.  
 Secretary, Jos. H. Woodmansee.  
 Purchasing Agent, Jos. H. Woodmansee.  
 Superintendent, Jos. H. Woodmansee.  
 Process of Manufacture, Coal & Oil.  
 Population, 15,000.  
 Price of Gas in 1889, Average \$1.80.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 20.

#### **Decatur Gas Light and Coke Co., Decatur.**

*Macon County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$20,000.  
 President, John K. Warren.

In no case where the *Thomson-Houston Electric Company* competed for honors has it failed to receive the highest award. See advertisement, page x.

Treasurer, B. K. Durfee.  
 Secretary, B. K. Durfee,  
 Purchasing Agent, R. J. Stratton.  
 Superintendent, R. J. Stratton.  
 Process of Manufacture, Coal and Lowe  
 Population, 15,000.  
 Price of Gas in 1889, \$1.50 to \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 12,000,000.  
 Candle power, 18.  
 Operated under name of Decatur Electric Co.,  
 Ft. Wayne and United States Arc Electric  
 System, capacity 70 lights; Edison, Westing-  
 house and United States incandescent systems,  
 capacity 2,600.

#### Dixon Gas and Electric Light Co., Dixon.

*Lee County.*

Capital stock, \$24,000.  
 Total bonds outstanding, none.  
 President, F. A. Truman.  
 Treasurer, George Steel.  
 Secretary, George Steel.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Patton.  
 Population, 5,000.  
 Price of Gas in 1889, \$5.00.  
 Number of public lamps, 69.  
 Price received for public lamps, \$28.00.  
 Approximate annual output,  
 Candle power,

#### DuQuoin Light, Heat and Power Co., DuQuoin.

*Perry County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, R. M. Foster.  
 Treasurer, J. R. Truesdale.  
 Secretary, D. Sheppard.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 5,500.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 110.  
 Price received for public lamps, \$15.25.  
 Approximate annual output, 7,300,000.  
 Candle power, 20.

#### East St. Louis Gas Works, E. St. Louis.

*St. Clair County.*

Capital stock, none.  
 Total bonds outstanding, none.  
 President, none.  
 Treasurer, none.  
 Secretary, G. W. Ewing.  
 Purchasing Agent, G. W. Ewing.  
 Superintendent, G. W. Ewing.  
 Process of Manufacture, Coal.  
 Population, 16,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 300.  
 Price received for public lamps, \$22.50.  
 Approximate annual output, 16,000,000.  
 Candle power, 18.

#### Elgin American Gas Co., Elgin.

*Kane County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$50,000.  
 President, M. S. Greenough.  
 Treasurer, Chas. V. Grant.  
 Secretary, Chas. V. Grant.  
 Purchasing Agent, Chas. V. Grant.  
 Superintendent, R. P. Fitz.  
 Process of Manufacture, Coal.  
 Population, 17,000.  
 Price of Gas in 1889, \$1.65.  
 Number of public lamps, all electric.  
 Price received for public lamps,  
 Approximate annual output, 11,500,000.  
 Candle power, 17.

#### The North Western Gas Light and Coke Co., Evans- ton.

*Cook County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Edwin Lee Brown.  
 Treasurer, W. L. Brown.  
 Secretary, W. L. Brown.  
 Purchasing Agent, W. L. Brown.  
 Superintendent, W. L. Brown.  
 Process of Manufacture, Pratt & Ryan.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00 with disc.

#### Freeport Gas Light and Coke Co., Freeport.

*Stephenson County.*

Capital stock, not a stock company.  
 Total bonds outstanding, none.  
 President, L. Z. Farwell and L. L. Munn, own-  
 ers.  
 Treasurer, Z. T. F. Runner.  
 Secretary, Z. T. F. Runner.  
 Purchasing Agent, Z. T. F. Runner.  
 Superintendent, Z. T. F. Runner.  
 Process of Manufacture, Coal.  
 Population, 13,000.  
 Price of Gas in 1889, \$1.80 to \$2.25.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power,  
 Operate Thomson-Houston Arc Electric System,  
 about 75 Lights, and Westinghouse Incan-  
 descent, — Lights.

#### Gas Light Co. of Galena, Galena.

*Jo Daviess County.*

Capital stock, \$63,000.  
 Total bonds outstanding, \$  
 President, R. Barrett.  
 Treasurer, L. A. Rowley.  
 Secretary, W. E. French.  
 Purchasing Agent,  
 Superintendent, W. E. French.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

The *Thomson-Houston System of Electric Lighting* has been more generally adopted by Gas Companies than any other. See advertise-  
 ment, page x.



**Galesburg Gas Light and Coke Co., Galesburg.***Knox County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, Howard Knowles.  
 Treasurer, J. K. Mitchell.  
 Secretary, J. K. Mitchell.  
 Purchasing Agent, J. K. Mitchell.  
 Superintendent, J. K. Mitchell.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$1.80 and \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 8,000,000.  
 Candle power, 18½.  
 Operate Thomson-Houston Arc Electric System,  
 275 Lights; Westinghouse Incandescent, 500  
 Lights.

**Galva Gas Light and Coke Co., Galva.**

President, A. Deen.  
 Treasurer, Geo. W. Hough.  
 Secretary, C. B. Edson.  
 Purchasing Agent, Directors.  
 Superintendent, Thos. Sewell.  
 Process of Manufacture, Coal.  
 Population, 2,300.  
 Price of Gas in 1889, \$2.20

**Jacksonville Gas Light and Coke Co., Jacksonville.***Morgan County.*

Capital stock, \$127,000.  
 Total bonds outstanding, none.  
 President, M. P. Ayers.  
 Treasurer, F. M. Doan.  
 Secretary, F. M. Doan.  
 Purchasing Agent, F. M. Doan.  
 Superintendent, F. M. Doan.  
 Process of Manufacture, Coal.  
 Population, 14,000.  
 Price of Gas in 1889, \$2.50, discount 20 per cent.  
 Number of public lamps, 69.  
 Price received for public lamps, \$1.46 per month.  
 Approximate annual output, 13,500,000.  
 Candle power, 16½.  
 Operate Thomson-Houston Electric System, 112  
 Arc Lights, and 52 Incandescent Lights taken  
 off the Arc Circuit.

**Electric Light, Gas and Power Co., Jerseyville.***Jersey County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 President, J. G. Schwarz.  
 Treasurer, W. E. Carlin.  
 Secretary, W. E. Carlin.  
 Purchasing Agent, W. E. Carlin.  
 Superintendent, W. E. Carlin.  
 Process of Manufacture, do not make gas.  
 Population, 4,000.  
 Number of public lamps, 55 Incandescent Elec-  
 tric.  
 Price received for public lamps, \$3.00 per month.  
 Operate Edison Incandescent Electric System,  
 600 Lights.

**Joliet Gas Co., Joliet.***Will County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$  
 President, W. A. Strong.  
 Treasurer, F. W. Woodruff.  
 Secretary, Jas. G. Elwood.  
 Purchasing Agent, Jas. G. Elwood.  
 Superintendent, E. Cathels.  
 Process of Manufacture, Coal and Springer.  
 Population, 28,000.  
 Price of Gas in 1889, \$2.00 and \$1.75.  
 Number of public lamps,  
 Price received for public lamps.  
 Approximate annual output, 10,000,000.  
 Candle power, 17 to 18.

**Kankakee Gas Light Co., Kankakee.***Kankakee County.*

Capital stock,  
 Total bonds outstanding, \$  
 President, J. N. Witherell.  
 Treasurer, L. W. Shares.  
 Secretary, L. W. Shares.  
 Purchasing Agent, L. W. Shares.  
 Superintendent, L. W. Shares.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50 to \$2.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 16.

**Kewanee Gas Light and Coke Co., Kewanee.***Henry County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$  
 President, C. B. Bouton.  
 Treasurer, N. S. Bouton.  
 Secretary, N. S. Bouton.  
 Purchasing Agent, N. S. Bouton.  
 Superintendent, Chas. Collin.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 78.  
 Price received for public lamps, \$25.00 per year.  
 Approximate annual output, 400,000 per month.  
 Candle power, 22.

**Twin City Gas Works, La Salle and Peru.***La Salle County.*

Capital stock,  
 Total bonds outstanding,  
 President, Jas. W. Duncan,  
 Treasurer, N. W. Duncan.  
 Secretary, A. J. O'Connor.  
 Purchasing Agent,  
 Manager, N. W. Duncan.  
 Process of Manufacture, Coal.  
 Population, LaSalle, 12,000; Peru, 9,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 7,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Arc Electric Sys-  
 tem, 50 Lights; United States Incandescent,  
 500 Lights.

There are more than 500 local companies using the *Thomson-Houston System* of lighting, and more than 60,000 Arc Lamps are in daily operation. See advertisement, page x.

**Lemont Gas Light Co., Lemont.****Gas and Electric Light Co., Lincoln.***Logan County.*

Capital stock, \$80,000.  
 Total bonds outstanding,  
 President, S. A. Foly.  
 Treasurer, F. Frorer.  
 Secretary, D. H. Harts.  
 Purchasing Agent,  
 Superintendent, D. Turnbull.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 158.  
 Price received for public lamps, \$20.  
 Approximate annual output, 11,000,000.  
 Candle power, 18.

**Macomb Gas Works, Macomb.***McDonough County.*

Capital stock,  
 Total bonds outstanding,  
 President, J. D. Patton.  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Lessee, J. M. Hume.  
 Process of Manufacture, Oil.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 56.  
 Price received for public lamps, \$2.50 per month.  
 Approximate annual output, do not meter it.  
 Candle power, 16.

**Mattoon Gas Light and Coke Co., Mattoon.***Coles County.*

Capital stock, \$25,000.  
 Total bonds outstanding,  
 President, Thos. L. Watson.  
 Treasurer,  
 Secretary, I. B. Craig.  
 Purchasing Agent, T. R. Weaver.  
 Superintendent, T. R. Weaver.  
 Process of Manufacture, Coal and Water.  
 Population, 6,500.  
 Price of Gas in 1889, \$2.25 net.  
 Number of public lamps, 105.  
 Price received for public lamps, \$20.  
 Approximate annual output, 5,000,000.  
 Candle power, 18.

**Mendota Gas Co., Mendota.***La Salle County.*

Capital stock, \$20,000.  
 Total bonds outstanding,  
 President, M. A. McKey.  
 Treasurer, D. C. Tower.  
 Secretary, D. C. Tower.  
 Purchasing Agent, L. R. Curtiss.  
 Superintendent, L. P. Grould.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$1.50 to \$2.00.  
 Number of public lamps, 45.

Price received for public lamps, \$1.40 per month.

Approximate annual output, 4,000,000.

Candle power, 18.

**The People's Light and Fuel Mfg. Co., Moline.***Rock Island County.*

Capital stock, \$125,000.  
 Total bonds outstanding, \$50,000.  
 President, J. M. Gould.  
 Treasurer, C. F. Hemenway.  
 Secretary, S. S. Davis.  
 Purchasing Agent, S. S. Davis.  
 Superintendent, S. S. Davis.  
 Process of Manufacture, Coal.  
 Population, 13,000.  
 Price of Gas in 1889, averages \$1.75.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 7,000,000.  
 Operate Westinghouse and United States Incandescent Electric System, 3,000 Lights.

**Monmouth Gas Co., Monmouth.***Warren County.*

Capital stock,  
 Total bonds outstanding,  
 President, R. Spencer, Burlington, Iowa.  
 Treasurer, Wm. Foster, Burlington, Iowa.  
 Secretary, Thos. Hedge, Jr.  
 Purchasing Agent, R. Spenceer.  
 Superintendent, H. H. Berges.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.75 and \$2.00 net.  
 Number of public lamps, 117.  
 Price received for public lamps, \$18.00.  
 Approximate annual output,  
 Candle power,

**Morris Gas Co., Morris.***Grundy County.*

Capital stock,  
 Total bonds outstanding,  
 President, C. D. Hawk.  
 Treasurer, C. D. Hawk.  
 Secretary, C. D. Hawk.  
 Purchasing Agent,  
 Superintendent, M. Molony.  
 Process of Manufacture, Lowe and Springer.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00.

**Ottawa Gas Light and Coke Co., Ottawa.***La Salle County.*

Capital stock, \$45,000.  
 Total bonds outstanding,  
 President, A. D. Cressler, Fort Wayne, Ind.  
 Treasurer, W. H. Hall, Ottawa, Ill.  
 Secretary, N. B. Perkins.  
 Purchasing Agent, N. B. Perkins.  
 Superintendent, N. B. Perkins.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 189.  
 Price received for public lamps, \$18.  
 Approximate Annual output, 12,000,000.  
 Candle power, 18.

52 per cent. of the arc lamps used by gas companies and 25 per cent. of the entire number used in the United States are of *Thomson-Houston* manufacture. See advertisement, page x.



**Paris Gas Light and Coke Co., Paris.***Edgar County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, L. E. Powell.  
 Treasurer, J. E. Parrish.  
 Secretary, J. E. Parrish.  
 Purchasing Agent, F. E. Powell.  
 Superintendent, F. E. Powell.  
 Process of Manufacture, Pratt & Ryan.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00 to \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,000,000.  
 Candle power, about 20.  
 Operate Edison Incandescent Electric System,  
 850 Lights

**The Peoria Gas Light and Coke Co., Peoria.***Peoria County*

Capital stock, \$175,000.  
 Total bonds outstanding,  
 President, Leslie Robinson.  
 Treasurer, Matthew Henebery.  
 Secretary, Matthew Farrelly.  
 Purchasing Agent, Peter Coffey.  
 Superintendent, Peter Coffey.  
 Process of Manufacture, Coal and Lowe.  
 Population, 40,000.  
 Price of Gas in 1889, \$1.00, \$1.25, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 50,000,000.  
 Candle power, 20.  
 Operate Thomson-Houston Electric System, 340  
 Arc and 1,500 Incandescent Lights.

**Pekin Gas Light Co., Pekin.***Tazewell County.*

Capital stock, \$66,000.  
 Total bonds, outstanding, none.  
 President, Wm. Stanbery.  
 Treasurer, F. H. Stanbery.  
 Secretary, F. H. Stanbery.  
 Purchasing Agent,  
 Superintendent, Wm. Stanbery.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power 18.

**Princeton Gas Light Co., Princeton.***Bureau County.*

Capital stock,  
 Total bonds outstanding, none.  
 President, W. H. Messenkop.  
 Treasurer, J. H. Delano.  
 Secretary, J. H. Delano.  
 Purchasing Agent, J. H. Delano.  
 Superintendent, W. H. Messenkop.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00, \$2.50.  
 Number of public lamps, 88.  
 Price received for public lamps, \$11.00.  
 Approximate annual output,  
 Candle power,

**Pullman Gas Works, Pullman.**

Owned by Pullman P. C. Co.  
 President, Geo. M. Pullman.  
 Treasurer, Geo. M. Pullman.  
 Secretary, A. S. Weinsheimer.  
 Purchasing Agent, W. A. Angell.  
 Superintendent, J. Cannon.  
 Process of Manufacture, Lowe.  
 Population, 12,000.  
 Price of Gas in 1888, \$1.75 Fuel; \$2.25 Light.

**Quincy Gas Light and Coke Co., Quincy.***Adams County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$80,000.  
 President, Wm. Steinwedell.  
 Treasurer, First National Bank.  
 Secretary, A. W. Littleton.  
 Purchasing Agent, A. W. Littleton.  
 Superintendent, A. W. Littleton.  
 Process of Manufacture, Coal and Lowe (by  
 Granger).  
 Population, about 35,000.  
 Price of Gas in 1889, \$1.50 to \$1.75.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 30,000,000.  
 Candle power, 18.  
 Gas Company holds an interest in local Thomson  
 Houston Electric Co., operating Thomson-  
 Houston System, 220 Arc, and about 500  
 Incandescent Lights.

**Rockford Gas Light and Coke Co., Rockford.***Winnebago County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$.  
 President, Malcolm S. Greenough.  
 Treasurer, Charles V. Grant.  
 Secretary, Charles V. Grant.  
 Purchasing Agent, Charles V. Grant.  
 Superintendent, H. S. Whipple.  
 Process of Manufacture, Coal.  
 Population, 25,500.  
 Price of Gas in 1889, \$1.50 to \$1.70.  
 Number of public lamps, 550.  
 Price received for public lamps, \$23.  
 Approximate annual output, 35,000,000.  
 Candle power, 20.

**Rock Island Gas Co., Rock Island.***Rock Island County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, Sylvester Watts.  
 Treasurer, W. H. Judge  
 Secretary, W. H. Judge  
 Purchasing Agent, W. H. Judge.  
 Superintendent, W. H. Judge.  
 Process of Manufacture, Coal.  
 Population, about 17,500.  
 Price of Gas in 1889, \$2, \$1.75 and \$1.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 18.

The use of the *Thomson-Houston Alternating Current System* renders it possible to cover a great area at less expense of installation and maintenance than can be accomplished by any other system. See advertisement, page x.



**Calumet Gas Co., South Chicago.***Cook County.*

Capital stock, \$.  
 Total bonds outstanding, \$.  
 President, F. H. Watriss.  
 Treasurer, F. H. Watriss.  
 Secretary, F. H. Watriss.  
 Purchasing Agent, C. H. Jackson.  
 Superintendent, C. H. Jackson.  
 Process of Manufacture, Water Gas.  
 Population, South end of the city of Chicago.  
 Price of Gas in 1889, \$1.75 net.  
 Number of public lamps, 150.  
 Price received for public lamps, about \$16.  
 Approximate annual output,  
 Candle power, 22.

**The Springfield Gas Light Co., Springfield.***Sangamon County.*

Capital stock, \$75,000.  
 Total bonds outstanding, \$.  
 President, William Ridgely.  
 Treasurer, Edward Ridgely.  
 Secretary, Edward Ridgely.  
 Purchasing Agent,  
 Superintendent, W. H. Odiorne.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.75 to \$1.50.  
 Number of public lamps, 500.  
 Price received for public lamps, \$15.  
 Approximate annual output,  
 Candle power, 18.

**Sterling Gas and Electric Light Co., Sterling.***Whiteside County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$20,000.  
 President, W. A. Sanborn.  
 Treasurer, John Charter.  
 Secretary, John Charter.  
 Purchasing Agent, John Charter.  
 Superintendent, John Charter.  
 Process of Manufacture, Lowe.

Population, 6,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 3,000,000.  
 Candle power, 22.  
 Operate Van Depoele Arc Electric System, 30  
 lights; and Westinghouse Incandescent, 200  
 Lights, in streets.

**Streator Gas Light and Coke Co., Streator.***La Salle County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$32,000.  
 President, John Weare, Cedar Rapids, Iowa.  
 Treasurer, Charles Weare, Cedar Rapids, Iowa.  
 Secretary, Charles Weare, Cedar Rapids, Iowa.  
 Purchasing Agent, W. H. Lukins, Streator, Ill.  
 Superintendent, W. H. Lukins, Streator, Ill.  
 Process of Manufacture, Coal.  
 Population, 16,000.  
 Price of Gas in 1889, \$2 to \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 9,000,000  
 Candle power, 18 to 20.

**Waukegan Gas Light Co., Waukegan.***Leake County.*

Capital stock, \$20,000.  
 Total bonds outstanding, \$.  
 President, R. H. Smith.  
 Treasurer, C. F. Wiard.  
 Secretary, C. F. Wiard.  
 Purchasing Agent, E. C. Alford.  
 Superintendent, E. C. Alford.  
 Process of Manufacture, Smith & Goldthorp.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps, \$12.  
 Price received for public lamps, \$25.  
 Approximate annual output, 3,000,000 coal gas  
 basis.  
 Candle power, 20 to 22.

## INDIANA.

**Anderson Natural Gas and Oil Co., Anderson.***Madison County.*

Capital stock, \$20,000.  
 President, Charles T. Doxey.  
 Treasurer, E. P. Schlater.  
 Secretary, E. P. Schlater.  
 Purchasing Agent, E. P. Schlater.  
 Superintendent, John Ewing.  
 Process of Manufacture, Coal and Naphtha.  
 Population, 11,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps.  
 Approximate annual output,  
 Candle power.

**Aurora Gas Light, Coal and Coke Co., Aurora.***Dearborn County.*

Capital stock, \$30,000.  
 Total bonds outstanding, none.  
 President, C. D. Howe.

Treasurer, J. C. Small.  
 Secretary, J. C. Small.  
 Purchasing Agent, J. C. Small.  
 Superintendent, J. C. Small.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 154.  
 Price received for public lamps, about \$8.00.  
 Approximate annual output, 10,000,000.  
 Candle power, 20 to 21.

**Columbus Gas Light and Coke Co., Columbus.***Bartholomew County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, A. Keller.  
 Treasurer, Wm. Brockman.  
 Secretary, C. M. Keller.  
 Purchasing Agent, C. M. Keller.  
 Superintendent, C. M. Keller.

In Indiana the Gas Companies in the towns of Columbus, Crawfordsville, Huntington, Lafayette and Richmond operate the *Thomson-Houston Electric System*. See advertisement, page x.

Process of Manufacture, Coal.  
Population, 7,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 5,000,000.  
Candle power, 18.  
Operate American and Thomson-Houston electric systems, 100 arc lights.

**Connersville Gas Light Manufacturing Co., Connersville.**

*Fayette County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, James N. Huston.  
Treasurer, Joseph H. Riley.  
Secretary, A. M. Sinks.  
Purchasing Agent Anthony Watt.  
Superintendent, John D. McNaughton.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$1.80 net.  
Number of public lamps, 81.  
Price received for public lamps, \$1.85 $\frac{11}{12}$  cts.  
per lamp each month.  
Approximate annual output, 5,000,000.  
Candle power, 18.

**Crawfordsville Gas and Electric Light Co., Crawfordsville.**

*Montgomery County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.  
President, John B. Pence.  
Treasurer, Jas H. Wasson.  
Secretary, Theo. D. Brown.  
Purchasing Agent, P. C. Somerville.  
Superintendent, P. C. Somerville.  
Process of Manufacture, Coal.  
Population, 10,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 9,000,000.  
Candle power, 18.  
Operate Thomson-Houston electric system,  
130 arc lights and a few incandescent on arc circuit.

**Elkhart Gas Light and Coke Co., Elkhart.**

*Elkhart County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, C. D. Roys.  
Treasurer, Norman Sage.  
Secretary, Geo. T. Murdock.  
Purchasing Agent, Geo. T. Murdock.  
Superintendent, Geo. T. Murdock.  
Process of Manufacture, Lowe (by Springer).  
Population, 14,000.  
Price of Gas in 1889, \$2.00 to \$1.50.  
Number of public lamps, 152.  
Price received for public lamps, \$20.00 and \$12.50.  
Approximate annual output, 8,500,000.  
Candle power, 23.

**Evansville, Gas and Electric Light Co., Evansville.**

*Vanderburgh County.*

Capital stock, \$600,000.  
Total bonds outstanding, \$100,000.  
President, Francis J. Reitz.  
Treasurer, Samuel Bayard.  
Secretary, John B. Hall, Jr.  
Purchasing Agent, John B. Hall, Jr.  
Superintendent, James T. Lynn.  
Process of Manufacture, Coal.  
Population, 45,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 55,000,000.  
Candle power, 19.50.  
Operate Brush arc electric system, 300 lights,  
and Westinghouse incandescent 2,000 lights.

**Fort Wayne Gas Light Co., Fort Wayne.**

*Allen County.*

Capital stock, \$225,000.  
Total bonds outstanding, \$  
President, James Cheney.  
Treasurer, James Cheney.  
Secretary, W. J. Probasco.  
Purchasing Agent, James Cheney,  
Superintendent, James Cheney.  
Process of Manufacture, Coal.  
Population, 30,000.  
Price of Gas in 1889, \$1.80.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 30,000,000.  
Candle power, 18.

**Frankfort Gas Light Co., Frankfort.**

*Clinton County.*

Capital stock, \$40,000.  
Total bonds outstanding, \$  
President and Gen. Manager, M. S. Greenough  
Treasurer, Charles V. Grant.  
Secretary, Charles V. Grant.  
Purchasing Agent, Charles V. Grant.  
Superintendent, A. O. Smith.  
Process of Manufacture, Coal.  
Population, 8,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 27.  
Price received for public lamps, \$18.75.  
Approximate annual output, 1888, 4,944,830  
Candle power, 17 $\frac{1}{2}$ .

**Franklin Gas Co., Franklin.**

*Johnson County.*

Capital stock, \$25,000.  
Total bonds outstanding,  
President, J. W. Woollen.  
Treasurer, S. P. Dyer.  
Secretary, W. S. Young.  
Purchasing Agent, A. L. Woollen.  
Superintendent, A. L. Woollen.  
Process of Manufacture, Coal.  
Population 5,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 98.  
Price received for public lamps, \$25.00.  
Approximate annual output, 4,500,000.  
Candle power, 20.

The excellence of design, the quality of the material used, and the care exercised in the manufacture of the *Thomson-Houston Alternating Current Dynamo* make it the most durable and reliable dynamo on the market. See advertisement, page x.

**Goshen Gas Light Co., Goshen.***Elkhart County.*

Capital stock, \$27,000.  
 Total bonds outstanding,  
 President, J. M. Latta.  
 Treasurer, Laporte Heefner.  
 Secretary, Chas. W. Miller.  
 Purchasing Agent,  
 Superintendent, Augustus Heefner.  
 Process of Manufacture, Henry Pratt & Co.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps,  
 Price received for public lamps.  
 Approximate annual output,  
 Candle power,

**Greencastle Gas Light, Fuel and Coke Co., Greencastle.***Putnam County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$25,000.  
 President, L. Johnson.  
 Treasurer, Frank D. Ader.  
 Secretary, Frank Ader.  
 Purchasing Agent, Frank Ader.  
 Superintendent, Robert Rawlinson.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.80.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Greensburg Gas, Electric Light and Motor Co., Greensburg.***Decatur County*

Capital stock, \$60,000.  
 Total bonds outstanding,  
 President, W. S. Woodfill.  
 Treasurer, A. R. Forsyth.  
 Secretary, Marshall Grover.  
 Purchasing Agent, Marshall Grover.  
 Superintendent, S. P. Long.  
 Process of Manufacture, Lowe.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50 and \$2.00.  
 Number of public lamps, 126.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 4,000,000.  
 Candle power, 24.  
 Operate Ft. Wayne Arc Electric System, 40 lights. Expect to put in Slatterly Incandescent System.

**Huntington Gas Light and Fuel Co., Huntington.***Huntington County.*

Capital stock,  
 Total bonds outstanding,  
 President,  
 Treasurer, Bascome Parker, Proprietor.  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, 90c. to \$1.50.

Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 20.  
 Operate Thomson-Houston Electric System,  
 85 Arc Lights.

**Electric Lighting, Gas Heating and Illuminating Co., Indianapolis.**

President, A. M. Fletcher.  
 Treasurer, S. A. Fletcher.  
 Secretary, Henry Decker.  
 Purchasing Agent, John R. Pearson.  
 Superintendent, John R. Pearson.  
 Process of Manufacture, Lowe.  
 Population, 125,000.  
 Price of Gas in 1889.

**The Indianapolis Gas Light and Coke Co., Indianapolis***Marion County.*

Capital stock, \$350,000.  
 Total bonds outstanding, \$450,000.  
 President, A. M. Fletcher.  
 Treasurer, S. J. Fletcher.  
 Secretary, S. D. Pray.  
 Purchasing Agent,  
 Superintendent, Jas. Somerville.  
 Process of Manufacture, Coal.  
 Population 125,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps, 2,316.  
 Price received for public lamps, \$15.00.  
 Approximate annual output,  
 Candle power,

**The Jeffersonville Gas Co., Jeffersonville.***Clark County.*

Capital stock, \$28,475.  
 Total bonds outstanding, none,  
 President, John F. Read.  
 Treasurer, F. W. Poindexter.  
 Secretary, F. W. Poindexter.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, 178.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 5,000,000.  
 Candle power, 18.

**Kokomo Gas Light and Coke Co., Kokomo.***Howard County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, S. A. Stevens.  
 Treasurer, W. H. Higgins.  
 Secretary, W. H. Higgins.  
 Purchasing Agent, W. H. Higgins.  
 Superintendent, W. H. Higgins.  
 Process of Manufacture, Lowe  
 Population, about 10,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 150.  
 Price received for public lamps, \$15.00.  
 Approximate annual output,  
 Candle power, 18.

In the manufacture of *Thomson-Houston* apparatus the same superior qualities are found in the minor appliances as in the larger and more important apparatus. See advertisement, page x.



**Lafayette Gas Light Co., Lafayette.***Tippecanoe County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 President, Wm. Wallace.  
 Treasurer, Alex. Wilson.  
 Secretary, Adam Wallace.  
 Purchasing Agent,  
 Superintendent, Wm. Wallace.  
 Process of Manufacture, Coal.  
 Population, 22,000.  
 Price of Gas in 1889, \$1.60, \$1.70, \$1.80 and  
 \$1.90, less 20 cents discount.  
 Number of public lamps, 18.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 20,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System, 150  
 Arc Lights.

**La Porte Gas and Coke Co., La Porte.***La Porte County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, J. Gordon R. Wright.  
 Treasurer, John R. Wright.  
 Secretary, J. G. R. Wright.  
 Purchasing Agent, W. A. Martin.  
 Superintendent, F. W. Freese.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 95.  
 Price received for public lamps, \$16.25.  
 Approximate annual output, 4,500,000.  
 Candle power, 19.

**Lawrenceburgh Gas Co., Lawrenceburgh.***Dearborn County.*

Capital stock, \$28,600.  
 Total bonds outstanding,  
 President, John Isherwood,  
 Treasurer, John Isherwood.  
 Secretary, O. T. Stockman,  
 Purchasing Agent,  
 Superintendent, T. W. Isherwood.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 140.  
 Price received for public lamps, \$2.00 per M.  
 Approximate annual output,  
 Candle power,

**Lebanon American Gas Co., Lebanon.***Boone County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, A. C. Daily.  
 Treasurer, C. M. Zion.  
 Secretary, C. M. Zion.  
 Purchasing Agent, C. M. Zion.  
 Superintendent, Wm. McKnight.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$2 00 net.  
 Number of public lamps, 109.  
 Price received for public lamps, \$18.00.  
 Approximate annual output, 4,000,000.  
 Candle power, 20.

**Logansport Gas Light and Coke Co., Logansport.***Cass County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 President, A. J. Murdock,  
 Treasurer, E. S. Rice.  
 Secretary, E. S. Rice.  
 Purchasing Agent, E. S. Rice.  
 Superintendent, W. E. Powell.  
 Process of Manufacture, Coal.  
 Population, 18,000.  
 Price of Gas in 1889, \$1.20 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 14,000,000.  
 Candle power 18.

**Madison Gas Light Co., Madison.***Jefferson County.*

Capital stock, \$75,000.  
 Total bonds outstanding, none.  
 President, H. B. Foster.  
 Treasurer, F. L. Powell.  
 Secretary, H. B. Foster.  
 Purchasing Agent, H. B. Foster.  
 Superintendent, Sims Bolen.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.50 to \$2.25.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Marion Coal Gas Co., Marion.**

President, James S. Kuhn.  
 Treasurer, W. S. Kuhn.  
 Secretary, Edward Cochwell.  
 Purchasing Agent, H. G. Beryet.  
 Superintendent, C. C. Henry Newell.  
 Process of Manufacture, Coal and Natural.  
 Population, 9,000.

**Michigan City Gas Co., Michigan City.***LaPorte County.*

Capital stock, \$40,000.  
 Total bonds outstanding,  
 President, William Blinks.  
 Treasurer, M. Romel.  
 Secretary, M. Romel.  
 Purchasing Agent, none.  
 Superintendent, B. A. Ward.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00; 10% to 25% discount.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 9,000,000.  
 Candle power,

**Muncie Gas Works, Muncie.**

President, Jas. S. Kuhn.  
 Treasurer, W. S. Kuhn.  
 Secretary, S. M. Highlands.  
 Purchasing Agent, H. H. Highlands.  
 Superintendent, H. H. Highlands.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.

A careful investigation of the systems in use among the Gas Companies will show that the *Thomson-Houston* leads the rest both in the number of installations and successful operation. See advertisement, page x.

**Gas Light and Coke Co., New Albany.***Floyd County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, W. S. Culbertson.  
 Treasurer, J. K. Woodward, Jr.  
 Secretary, J. K. Woodward, Jr.  
 Purchasing Agent, J. K. Woodward, Jr.  
 Superintendent, Jas. W. Dunbar.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.50 to \$2.00.  
 Number of public lamps, 530.  
 Price received for public lamps, \$18.00.  
 Approximate annual output, 25,000,000.  
 Candle power, 18.  
 Operate American Electric System, 52 Arc Lights.

**Peru American Gas Co., Peru.***Miami County.*

Capital stock, \$120,000.  
 Total bonds outstanding,  
 President, M. S. Greenough, Boston.  
 Treasurer, C. V. Grant.  
 Secretary, C. V. Grant.  
 Purchasing Agent,  
 Superintendent, J. M. Larned.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00 and \$1.50.  
 Number of public lamps, 40.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 18.

**Richmond Gas Co., Richmond.***Wayne County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$104,000.  
 President, James M. Starr.  
 Treasurer, Benj. Starr.  
 Secretary, C. C. Binkley.  
 Purchasing Agent, James M. Starr.  
 Superintendent, Edwin M. Starr.  
 Process of Manufacture, McKay-Critchlow.  
 Population, 20,000.  
 Price of Gas in 1889, \$1.20 net.  
 Number of public lamps, 330.  
 Price received for public lamps, \$25.  
 Approximate annual output, 34,000,000.  
 Candle power, 20 to 21.  
 Operate Thomson-Houston Arc Electric System,  
 40 Lights. Ft. Wayne Incandescent.

**The Rushville Gas Light Co., Rushville.***Rush County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, J. G. Isham.  
 Treasurer, R. F. Hughes.  
 Secretary, R. F. Hughes.  
 Purchasing Agent, M. M. Sweetman.  
 Superintendent, M. M. Sweetman.  
 Process of Manufacture, Oil.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 90.  
 Price received for public lamps, \$18.00.  
 Approximate annual output, 2,500,000.  
 Candle power, 18.

**Seymour Gas Light and Coke Co., Seymour.***Jackson County.*

Capital stock, \$25,000.  
 Total bonds outstanding, \$8,000.  
 President, J. H. Andrews.  
 Treasurer, Theodore Groub.  
 Secretary, Theodore Groub.  
 Purchasing Agent, J. H. Andrews.  
 Superintendent, Willard Bevins.  
 Process of Manufacture, Lowe.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 101.  
 Price received for public lamps, \$18.  
 Approximate annual output, 6,000,000.  
 Candle power, 20.  
 Operate Waterhouse Arc Electric System, 34 Lights.

**Shelbyville Gas Light Co., Shelbyville.***Shelby County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 President, Geo. H. Dunn.  
 Treasurer, Samuel P. McCrea.  
 Secretary, G. W. F. Kirk.  
 Purchasing Agent, Secretary.  
 Superintendent, President.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 26.

**South Bend Gas Light Co., South Bend.***St. Joseph County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, C. Studebaker.  
 Treasurer, J. M. Studebaker.  
 Secretary, L. R. Skerritt.  
 Purchasing Agent, B. W. Perkins.  
 Superintendent, B. W. Perkins.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 25,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Citizens' Gas and Fuel Co., Terre Haute.***Vigo County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, H. P. Townley.  
 Treasurer, A. Z. Foster.  
 Secretary, R. S. Tennant.  
 Purchasing Agent, J. R. Kendall.  
 Superintendent, J. R. Kendall.  
 Process of Manufacture, MacKenzie.  
 Population, 45,000.  
 Price of Gas in 1889, no gas made.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

The care and attention given the details renders the *Thomson-Houston System* easy and economical to operate. See advertisement, page x.

**Terre Haute Gas Light Co., Terre Haute.***Vigo County.*

Capital stock, \$.  
 Total bonds outstanding, \$.  
 President, Demas Deming.  
 Treasurer, Henry Deming.  
 Secretary, J. B. Harris.  
 Purchasing Agent, M. N. Diall.  
 Superintendent, M. N. Diall.  
 Process of Manufacture, Coal and Lowe.  
 Population, 35,000.  
 Price of Gas in 1889, \$1.50 and \$1.25.  
 Number of public lamps,  
 Approximate annual output,  
 Candle power,

**Valparaiso Gas and Electric Light Co., Valparaiso.***Porter County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$.  
 President, J. W. Stratton.  
 Treasurer, J. W. Stratton.  
 Secretary, J. W. Stratton.  
 Purchasing Agent, J. W. Stratton.  
 Superintendent,  
 Process of Manufacture, J. D. Patton.  
 Population, 7,500.  
 Price of Gas in 1889, \$1.75 and \$1.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Western Electric System, 52 Arc Lights.

**Citizens Gas Light Co., Vincennes.***Knox County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, John H. Rabb.  
 Treasurer, Geo. G. Ramsdell.  
 Secretary, Geo. G. Ramsdell.  
 Purchasing Agent, Geo. G. Ramsdell.  
 Superintendent, Geo. G. Ramsdell.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$1.43 to \$1.70.  
 Number of public lamps, 232.  
 Price received for public lamps, \$31.20 net.  
 Approximate annual output, 16,000,000.  
 Candle power, 19.

**Wabash Gas Light Co., Wabash.***Wabash County.*

Capital stock, \$10,000.  
 Total bonds outstanding, \$.  
 President, J. D. Patton.  
 Treasurer, G. S. Courtier.  
 Secretary, G. S. Courtier.  
 Purchasing Agent, G. S. Courtier.  
 Superintendent, G. S. Courtier.  
 Process of Manufacture, Oil.  
 Population, 8,000.  
 Price of Gas in 1889, \$3.70.  
 Number of public lamps.  
 Price received for public lamps,  
 Approximate annual output, 1,800,000.  
 Candle power, 60.

**Warsaw Light, Fuel and Power Co., Warsaw.***Kosciusko County.*

Capital stock, \$20,000.  
 Total bonds outstanding, \$.  
 President, J. A. Funk.  
 Treasurer, J. F. Beyer.  
 Secretary, J. E. Beyer.  
 Purchasing Agent, J. D. Kutz.  
 Superintendent, J. D. Kutz.  
 Process of Manufacture, Kutz Process, Naphtha.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps, 12.  
 Price received for public lamps, \$15.  
 Approximate annual output, 3,650,000.  
 Candle power, 16.

**The Washington Gas Co., Washington.***Daviess County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$25,000.  
 President, G. W. Updyke.  
 Treasurer, John M. Woodson.  
 Secretary, John M. Woodson.  
 Purchasing Agent, Joseph C. Lord.  
 Superintendent, Joseph C. Lord.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2 light, \$1.50 fuel.  
 Number of public lamps, 95.  
 Price received for public lamps, \$22.50.  
 Approximate annual output, 10,000,000.  
 Candle power, 18½.  
 Operate Waterhouse Electric System, 35 Arc Lights.

## IOWA.

**Atlantic Gas Light Co., Atlantic.***Cass County.*

Capital stock, \$16,000.  
 Total bonds outstanding, \$  
 President, Geo. Gossylen.  
 Treasurer, Carl Hovey.  
 Secretary, C. D. Jones.  
 Purchasing Agent, C. D. Jones.  
 Superintendent, E. Johnson.  
 Process of Manufacture, Oil.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50; with 10, to 40% dis.  
 Number of public lamps, 40.

Price received for public lamps, \$65.  
 Approximate annual output,  
 Candle power, 16.

**Burlington Gas Light Co., Burlington.***Des Moines County.*

Capital stock, \$325,000.  
 Total bonds outstanding, \$200,000.  
 President, R. Spencer.  
 Treasurer, Edward C. Lee.  
 Secretary, Edward D. Clary.  
 Purchasing Agent, Chas. E. Morgan.  
 Superintendent, Edward D. Clary.

In Iowa the Gas Companies in the towns of Council Bluffs, Davenport, Des Moines, Mason City, Muscatine, Sioux City and Waterloo operate the *Thomson-Houston Electric System*. See advertisement, page x.



Process of Manufacture, Coal and Lowe (by Granger).

Population, 30,000.

Price of Gas in 1889, \$1.75 to \$2.00 net.

Number of public lamps, 240.

Price received for public lamps, \$18.

Approximate annual output, 25,000,000.

Candle power, 21.

#### **Cedar Rapids Gas Light Co., Cedar Rapids.**

*Linn County.*

Capital stock, \$

Total bonds outstanding, \$

President, A. T. Averill.

Treasurer, M. A. Highley.

Secretary, John Thomas.

Purchasing Agent, A. T. Averill.

Superintendent, G. M. Averill.

Process of Manufacture, Coal.

Population, 20,000.

Price of Gas in 1889, \$2.00 to \$2.25.

Number of public lamps, 276.

Price received for public lamps, \$22.

Approximate annual output, 15,000,000.

Candle power, 18.

#### **Clinton Gas Light and Coke Co., Clinton.**

*Clinton County.*

Capital stock, \$60,000.

Total bonds outstanding, \$25,000.

President, W. J. Young.

Treasurer, J. C. Weston.

Secretary, J. C. Weston.

Purchasing Agent, O. Messer.

Superintendent, O. Messer.

Process of Manufacture, Coal.

Population, 16,000.

Price of Gas in 1889, \$2.50.

Number of public lamps,

Price received for public lamps,

Approximate annual output, 7,000,000.

Candle power, about 18.

#### **Council Bluffs Gas and Electric Light Co., Council Bluffs.**

*Pottawattamie County.*

Capital stock, \$500,000.

Total bonds outstanding, \$

President, Walter S. Wright.

Treasurer, Charles L. Easton.

Secretary, Charles L. Easton.

Purchasing Agent, Chas. P. Platt.

Superintendent, Walter S. Wright.

Process of Manufacture, Coal.

Population, 40,000.

Price of Gas in 1889, \$2.50, less 10 per cent.

Number of public lamps,

Price received for public lamps,

Approximate annual output,

Candle power,

Operate Thomson-Houston Arc Electric System, 250 Lights; Westinghouse Incandescent, — Lights.

#### **Creston Gas Light Works, Creston.**

*Union County.*

Capital stock, \$50,000.

Total bonds outstanding, \$15,000.

President and Manager, O. T. Holman.

Treasurer,

Secretary,

Purchasing Agent,

Superintendent, J. C. McClarty.

Process of Manufacture, Pratt and Ryan.

Population, 8,000.

Price of Gas in 1889, \$2.50.

Number of public lamps, 90.

Price received for public lamps, \$3.00 per M.

Approximate annual output, 6,000,000.

Candle power, 20.

#### **Davenport Gas Light Co., Davenport.**

*Scott County.*

Capital stock, \$250,000.

Total bonds outstanding, \$

President, J. J. Richardson.

Treasurer, R. Woodmansee.

Secretary, R. Woodmansee.

Purchasing Agent,

Superintendent, R. Woodmansee.

Process of Manufacture, Lowe (by Springer).

Population, 35,000.

Price of Gas in 1889, \$1.75.

Number of public lamps,

Price received for public lamps,

Approximate annual output, 20,000,000.

Candle power, 22.

Operate Fort Wayne Arc Electric System, 100

Lights, and Edison and Thomson-Houston

Incandescent System, 800 Lights.

#### **Capital City Gas Light Co., Des Moines.**

*Polk County.*

Capital stock, \$300,000.

Total bonds outstanding,

President, Saml. T. Bodine.

Treasurer, Edward C. Lee.

Secretary, Minton T. Wright.

Purchasing Agent, Chas. E. Morgan.

Superintendent and Manager, Edward G. Pratt.

Process of Manufacture, Coal and Lowe.

Population, 55,000.

Price of Gas in 1889, \$2.00 to \$1.70.

Number of public lamps, 700.

Price received for public lamps, \$24.

Approximate annual output, 60,000,000.

Candle power, 19.

Operate Thomson-Houston Arc Electric System, 235 Lights, and Thomson-Houston and Westinghouse Incandescent System, 1,500 Lights.

#### **Key City Gas Co., Dubuque.**

*Dubuque County.*

Capital stock, \$300,000.

Total bonds outstanding,

President, Wm. L. Bradley.

Treasurer, George B. Burch.

Secretary, Geo. McLean.

Purchasing Agent, J. B. Howard.

Superintendent, J. B. Howard.

Process of Manufacture, Coal.

Population, 35,000.

Price of Gas in 1889, \$1.50 to \$2.00.

Number of public lamps, 270.

Price received for public lamps,

Approximate annual output, 30,000,000.

Candle power, 18.

Gas Companies should investigate the *Thomson-Houston System* before purchasing any other. The best is always the cheapest. See advertisement, page x.

**Fairfield, Gas Co., Fairfield.***Jefferson County.*

Capital stock, \$30,000.  
 Total bonds outstanding,  
 President, C. D. Jones.  
 Treasurer, S. B. Honey.  
 Secretary, S. B. Honey.  
 Purchasing Agent, S. B. Honey.  
 Superintendent, J. J. Roe.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 72.  
 Price received for public lamps, \$1.62½  
 Approximate annual output,  
 Candle power,  
 Operate Brush Arc Electric System, 25 Lights.

**Ft. Dodge Gas Co., Ft. Dodge.***Webster County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, G. S. Ringland.  
 Treasurer, J. H. Deming.  
 Secretary, E. H. Rich.  
 Purchasing Agent,  
 Lessees, D. W. Hunt & Son.  
 Process of Manufacture, Coal.  
 Population, about 5,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 21.  
 Price received for public lamps, \$24.50  
 Approximate annual output.  
 Candle power, about 18.

**Fort Madison Gas Co., Fort Madison.***Lee County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$50,000.  
 President, G. D. L'Huilier, New York City.  
 Treasurer, H. M. Gilligan, New York City.  
 Secretary, H. M. Gilligan, New York City.  
 Purchasing Agent, P. M. Hanley, Ft. Madison.  
 Superintendent, P. M. Hanley, Ft. Madison.  
 Process of Manufacture, Oil and Lowe (by Granger).  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 2,190,000.  
 Candle power, 26.

**Independence Gas Works, Independence.***Buchanan County.*

Capital stock,  
 Total bonds outstanding,  
 President, L. V. Tabor.  
 Treasurer, R. M. Campbell.  
 Secretary, R. M. Campbell.  
 Purchasing Agent, J. M. Calkins.  
 Superintendent, J. M. Calkins.  
 Process of Manufacture, Patton  
 Population, 4,000.  
 Price of Gas in 1889, \$2.50 with discount.  
 Special rates for fuel.  
 Number of public lamps, 56.  
 Price received for public lamps, \$1.62½ per M.  
 Approximate annual output,  
 Candle power,

**Iowa City Gas Light Co., Iowa City.***Johnson County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, J. K. Graves, Dubuque, Iowa.  
 Treasurer, Ed. Switzer, Iowa City.  
 Secretary, Ed. Switzer, Iowa City.  
 Purchasing Agent,  
 Superintendent, D. Davis.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50 to \$2.90.  
 Number of public lamps, 100.  
 Price received for public lamps, \$23.00.  
 Approximate annual output, 6,000,000.  
 Candle power, 18.  
 Operate Western Electric System, 15 Arc Lights.

**Keokuk Gas Light and Coke Co., Keokuk.***Lee County.*

Capital stock, \$103,000.  
 Total bonds outstanding, \$100,000.  
 President, Henry R. Miller.  
 Treasurer, Henry R. Miller.  
 Secretary, L. B. Miller.  
 Purchasing Agent, Henry R. Miller.  
 Superintendent, Henry R. Miller.  
 Process of Manufacture, Coal.  
 Population, \$16,000.  
 Price of Gas in 1889, \$1.50 and \$1.25.  
 Number of public lamps, 164.  
 Price received for public lamps, \$28.80.  
 Approximate annual output, 13,500,000.  
 Candle power, 17.

**Le Mars Gas Light Co., Le Mars.***Plymouth County.*

Capital stock,  
 Total bonds outstanding,  
 President, A. S. Garretson.  
 Treasurer, A. S. Garretson.  
 Secretary,  
 Purchasing Agent, Saml. Albright.  
 Superintendent, Saml. Albright.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.25 net.  
 Number of public lamps, 33.  
 Price received for public lamps, \$27.50 & \$25.  
 Approximate annual output, 2,350,000.  
 Candle power, 14 to 16.

**Marshalltown Gas Co., Marshalltown.***Marshall County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Chas. Weare.  
 Treasurer, E. E. Weare.  
 Secretary, E. E. Ware.  
 Purchasing Agent, Frank Andres.  
 Superintendent, Frank Andres.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00 and under.  
 Number of public lamps, not in use.  
 Price received for public lamps,  
 Approximate annual output, 4,500,000.  
 Candle power,

The self-regulating features of the *Thomson-Houston Dynamo* render it the most economical machine before the public. See advertisement, page x.

**Mason City Gas and Electric Light Co., Mason City.***Cerro Gordo County.*

Capital stock, \$15,000.  
 Total bonds outstanding, \$  
 President, J. S. Clark.  
 Treasurer, O. T. Dimson.  
 Secretary, O. T. Dimson.  
 Purchasing Agent, M. I. Clark.  
 Superintendent, W. P. Fitch.  
 Process of Manufacture, Gas plant not built.  
 Population, 5,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power.  
 Operate Thomson-Houston Electric System, 25  
 Arc and 300 Incandescent Lights.

**Mt. Pleasant Gas Works, Mt. Pleasant.***Henry County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President,  
 Treasurer.  
 Secretary.  
 Purchasing Agent,  
 Superintendent and Manager, Charles Snider.  
 Process of Manufacture, Coal.  
 Population, 4,500.  
 Price of Gas in 1889, \$2.80.  
 Number of public lamps, 146.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power,

**Muscatine Gas, Electric Light and Power Co., Muscatine.***Muscatine County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$30,000,  
 President, Geo. B. Denison.  
 Treasurer, T. Cowell.  
 Secretary, A. B. Brown,  
 Purchasing Agent, T. Cowell.  
 Superintendent, Jas Hannan.  
 Process of Manufacture, Coal.  
 Population, \$15,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 230.  
 Price received for public lamps, \$18.60  
 Approximate annual output, 12,000,000.  
 Candle power, 16.  
 Operate Thomson-Houston Electric System, 27  
 Arc and 650 Alternating Incandescent Lights.

**Oskaloosa Gas and Electric Light Co., Oskaloosa.***Mahaska County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, John H. Graham.  
 Treasurer, Wm. McDonald.  
 Secretary, Wm. McDonald.  
 Purchasing Agent, S. E. Kellogg.  
 Superintendent, S. E. Kellogg.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps.

Approximate annual output,  
 Candle power.  
 Operate Ft. Wayne Electric System, Arc 27  
 Lights.

**Ottumwa Gas Light Heat and Power Co., Ottumwa.***Wapello County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Dwight Bannister.  
 Treasurer, Dwight Bannister.  
 Secretary, E. Tillotson.  
 Vice-President, E. Tillotson.  
 Superintendent, Leonard H. Ellsworth.  
 Process of Manufacture,  
 Population, 15,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Red Oak Gas Light Co., Red Oak.***Montgomery County.*

Capital stock, \$16,000.  
 Total bonds outstanding, \$  
 President, Geo. Josselyn.  
 Treasurer, C. D. Jones.  
 Secretary, C. D. Jones.  
 Purchasing Agent, C. D. Jones.  
 Superintendent, T. E. Carver.  
 Process of Manufacture, Oil (Naphtha).  
 Population, 4,500.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, 12.  
 Price received for public lamps, \$2.00 per  
 month.  
 Approximate annual output,  
 Candle power,

**Sioux City Gas Co., Sioux City.***Woodbury County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$40,000.  
 President, S. T. Bodine.  
 Treasurer, Edward C. Lee.  
 Secretary, Edward C. Lee.  
 Purchasing Agent, Chas. E. Morgan, Drexel  
 Building, Phila.  
 Superintendent, L. L. Kellogg.  
 Process of Manufacture, Coal and Lowe.  
 Population, 40,000.  
 Price of Gas in 1889, \$1.50 to \$2.25.  
 Number of public lamps, 118.  
 Price received for public lamps, \$22.00.  
 Approximate annual output, 30,000,000.  
 Candle power, of mixed gas, 22.  
 Control Sioux City Electric Co. Operating  
 Thomson-Houston Arc Electric System, 146  
 Lights, and Westinghouse Incandescent 1,400  
 Lights.

**Washington Gas Light Co., Washington.**

President, N. Everson.  
 Treasurer, N. Everson.  
 Secretary, N. Everson.  
 Purchasing Agent, N. Everson.  
 Superintendent, Pat O'Rourke.  
 Process of Manufacture, Coal.  
 Population, 3,000.

Some of the most successful Electric Lighting Companies are the Gas Companies using the *Thomson-Houston System*. See advertisement, page x.



**Waterloo Gas and Electric Light Co., Waterloo.***Black Hawk County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 Vice-President, George Joslin.  
 Treasurer, C. D. Jones.  
 Secretary, C. D. Jones.  
 Purchasing Agent, C. D. Jones.  
 Superintendent, L. D. Anthony.

Process of Manufacture, Naphtha.

Population, 10,000.

Price of Gas in 1889, \$2.12½.

Number of public lamps, 93.

Price received for public lamps, \$22.00.

Approximate annual output,

Candle power, 16 to 20.

Operate Brush Arc Electric System, 90 Lights,  
 and Thomson-Houston Incandescent, 300  
 Lights.

**KANSAS.****The Ark. City Gas and Electric Light Co., Arkansas City.***Cowley County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, C. K. Holliday.  
 Treasurer,  
 Secretary, Howard Ross.  
 Purchasing Agent,  
 Superintendent, T. P. Cameron.  
 Process of Manufacture,  
 Population, 12,000.  
 Price of Gas in 1889, \$2 to \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,490,640.  
 Candle power, 18.  
 Operate Thomson-Houston Arc Electric System,  
 73 Lights; and Westinghouse Incandescent  
 System, 500 Lights.

**Atchison Gas, Electric Light and Power Co., Atchison.***Atchison County.*

Capital stock, \$250,000.  
 Total bonds outstanding, none.  
 President, A. G. Otis.  
 Treasurer, R. A. Park.  
 Secretary, Jas. M. Chisham.  
 Purchasing Agent, Jas. M. Chisham.  
 Superintendent, Jas. M. Chisham.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 20,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System, 175  
 Arc Lights and 650 Alternating Incandescent.

**El Dorado Gas and Electric Light Co., El Dorado.***Butler County.*

Capital stock, \$60,000,  
 Total bonds outstanding, none.  
 President, T. O. Moffett.  
 Treasurer, S. A. Darrough.  
 Secretary, J. M. Bent.  
 Purchasing Agent, O. R. Cline.  
 Superintendent, O. R. Cline.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 50.  
 Price received for public lamps, \$35.  
 Approximate annual output,

Candle power,

Operate Thomson-Houston Electric System, 35  
 Arc and — Incandescent.

**Emporia Electric and Gas Light Co., Emporia.***Lyon County.*

Capital stock, \$50,000,  
 Total bonds outstanding, \$  
 President, R. D. Thomas.  
 Treasurer, H. Dunlap.  
 Secretary, J. S. Walton.  
 Superintendent, J. S. Walton.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.50, 10% disc.  
 Number of public lamps, 35.  
 Price received for public lamps, \$26.50.  
 Approximate annual output, 5,000,000.  
 Candle power, 16.  
 Operate Thomson-Houston Arc Electric System,  
 80 Lights; and Westinghouse Incandescent,  
 600 Lights.

**Fort Scott City Gas Co., Fort Scott.***Bourbon County.*

Capital stock, \$150,000.  
 Total bonds outstanding, none.  
 President, L. K. Scofield.  
 Treasurer, P. Bauer.  
 Secretary, P. Bauer.  
 Purchasing Agent, P. Bauer.  
 Superintendent, P. Bauer.  
 Process of Manufacture, Lowe, (by McKay -  
 Critchlow).  
 Population, 17,000.  
 Price of Gas in 1889, \$1.35 to \$2.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 8,000,000.  
 Candle power, 26.

**Fort Scott Light and Fuel Co., Fort Scott.***Bourbon County.*

Capital stock, \$.  
 Total bonds outstanding, \$.  
 President, Wm. H. Frost.  
 Treasurer, Geo. P. Knapp.  
 Secretary, Geo. P. Knapp.  
 Purchasing Agent, W. H. Frost.  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 15,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

In Kansas the Gas Companies in the towns of Arkansas City, Atchison, Eldorado, Emporia, Lawrence, Leavenworth, Parsons, Salina, Wichita and Winfield operate the *Thomson-Houston Electric System*. See advertisement, page x.

**Great Bend Gas and Coke Co., Great Bend.**

President, Wm. Bowser.  
 Treasurer, Louis Zutavern.  
 Secretary, H. M. Kleine.  
 Purchasing Agent, H. M. Kleine.  
 Superintendent, H. M. Kleine.  
 Process of Manufacture,  
 Population, 4,500.

**Hutchinson Gas and Fuel Co., Hutchinson.**

*Reno County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$  
 President, J. B. Brown.  
 Treasurer, E. L. Meyer.  
 Secretary, E. L. Meyer.  
 Purchasing Agent, L. A. Bigger.  
 Superintendent, Geo. B. Armstrong.  
 Process of Manufacture, Lowe.  
 Population, 15,000.  
 Price of Gas in 1889, \$2 to \$2.50.  
 Number of public lamps, 31.  
 Price received for public lamps, \$25.00.  
 Approximate annual output, 5,475,000.  
 Candle power, 20.

**Lawrence Gas, Fuel and Electric Light Co., Lawrence**

*Douglass County.*

Capital stock, \$117,000.  
 Total bonds outstanding, \$15,000.  
 President, G. W. E. Griffith.  
 Treasurer, R. C. Johnston.  
 Secretary, R. C. Johnston.  
 Purchasing Agent, R. C. Johnston.  
 Superintendent, R. C. Johnston.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 96.  
 Price received for public lamps, \$19.50.  
 Approximate annual output, 11,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Arc Electric System  
 70 Arc Lights and Edison Incandescent, 450  
 Lights.

**Leavenworth Light and Heating Co., Leavenworth.**

*Leavenworth County.*

Capital stock, \$150,000.  
 Total bonds outstanding, \$100,000.  
 President, Hon. Ed. Carroll.  
 Treasurer, E. Henning.  
 Secretary, McCown Hunt.  
 Purchasing Agent, John Gimper.  
 Superintendent, John Gimper.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.50 to \$2.00.  
 Number of public lamps, 117.  
 Price received for public lamps, \$19.17.  
 Approximate annual output, 25,000,000.  
 Candle power 17.  
 Operate Thomson-Houston Electric System, 125  
 Arc and Heisler Incandescent, 800 Lights.

**Newton Illuminating Co., Newton.**

*Harvey County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$30,000.

President, E. W. Pike,  
 Treasurer, E. W. Pike.  
 Secretary, Robt. Dougherty.  
 Purchasing Agent, E. W. Pike.  
 Superintendent, Robt. Dougherty.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 10,000  
 Price of Gas in 1889, \$2.00 and \$2.50.  
 Number of public lamps, 50.  
 Price received for public lamps, \$24.  
 Approximate annual output, 4,000,000.  
 Candle power, 22.

**Ottawa Gas Co., Ottawa.**

*Franklin County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$50,000.  
 President, H. G. Leavitt, 18 Broadway, N. Y.  
 Treasurer, G. C. Smith, Ottawa.  
 Secretary, G. C. Smith, Ottawa.  
 Purchasing Agent, A. P. Elder.  
 Superintendent, A. P. Elder.  
 Process of Manufacture, Hanlon & Leadley.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.50 dis. 5%. 10% and 20%;  
 fuel Gas \$1.50 net.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output,  
 Candle power, 22.

**Parsons Light and Heat Co., Parsons.**

*Labette County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, Angell Matthewson.  
 Treasurer, Angell Matthewson.  
 Secretary, L. E. Weekes.  
 Purchasing Agent, L. E. Weekes.  
 Superintendent, Chas. Workman.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50 and \$3.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Thomson-Houston Arc Electric System,  
 35 Lights.

**Pittsburg Gas Light and Coke Co., Pittsburg.**

*Crawford County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$25,000.  
 President, O. T. Boaz.  
 Treasurer, Samuel Barratt.  
 Secretary, Samuel Barratt.  
 Purchasing Agent, O. T. Boaz.  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.00 to \$1.50.  
 Number of public lamps, 36.  
 Price received for public lamps, \$35.00.  
 Approximate annual output, 13,000,000.  
 Candle power, 18 to 20.  
 Operate Ft Wayne or Westinghouse Electric  
 System, 50 Arcs and about 500 Incandescent  
 contracted.

The *Thomson-Houston Systems* of Electric Lighting and Power are complete in every detail. See advertisement, page x.

## KANSAS.

**Salina Gas and Electric Light Co., Salina.***Salina County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, E. W. Pike.  
 Treasurer, D. M. Davis.  
 Secretary, D. M. Davis.  
 Purchasing Agent, E. W. Pike.  
 Superintendent, E. W. Pike.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50 light; and \$2.00 fuel.  
 Number of public lamps, 36.  
 Price received for public lamps, \$25.00.  
 Approximate annual output,  
 Candle power, 20.  
 Operate Thomson-Houston and Western Electric Arc Systems, 20 Lights, and Westinghouse Incandescent, 650 Lights.

**The Excelsior Coke and Gas Co., Topeka.***Shawnee County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$30,000.  
 President, C. K. Holliday.  
 Treasurer, D. L. Lakin.  
 Secretary, J. T. Clark.  
 Purchasing Agent, J. T. Clark.  
 Superintendent, B. E. Chollar.  
 Process of Manufacture, Coal.  
 Population, 50,000.  
 Price of Gas in 1889, \$1.50 light; \$2.00 fuel.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 35,000,000.  
 Candle power, 18.

**Winfield Gas Co., Winfield.***Cowley County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$40,000.  
 President, J. C. Fuller.  
 Treasurer, D. A. Millington.  
 Secretary, D. A. Millington.  
 Purchasing Agent, J. C. Fuller.  
 Superintendent, S. A. Allan.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, 80.  
 Price received for public lamps, \$25.00.  
 Approximate annual output, 5,500,000.  
 Candle power, 20.  
 Operate Thomson-Houston Electric System, 35 Arc Lights.

**Wichita, Gas, Electric Light and Power Co., Wichita.***Sedgwick County.*

Capital stock, \$250,000.  
 Total bonds outstanding, none.  
 President, Henry C. Scott.  
 Treasurer, Henry C. Scott.  
 Secretary, Charles E. Sharpe.  
 Purchasing Agent, Henry C. Scott.  
 Superintendent, Robert Darney.  
 Process of Manufacture, Coal.  
 Population, 35,000.  
 Price of Gas in 1889, \$1.20 to \$2.25.  
 Number of public lamps, 120.  
 Price received for public lamps, \$25.00.  
 Approximate annual output, 14,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Arc Electric System 120 Lights.

**Wellington Light and Heat Co., Wellington.***Summer County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$40,000.  
 President, G. H. Hunter.  
 Treasurer, W. C. Glaze.  
 Secretary, J. G. Smith.  
 Purchasing Agent, J. W. Davis.  
 Superintendent, S. A. Havens.  
 Process of Manufacture,  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 100.  
 Price received for public lamps, 25.00.  
 Approximate annual output, 360,000.  
 Candle power 18 to 20.

**Wyandotte Gas Co., Kansas City.***Wyandotte County.*

Capital stock, \$120,000.  
 Total bonds outstanding, \$60,000.  
 President, Randal Morgan.  
 Treasurer, Edward C. Lee.  
 Secretary, Edward C. Lee.  
 Purchasing Agent, Charles E. Morgan, Drexel Building, Phila  
 Superintendent, Northrop Moore.  
 Process of Manufacture, Lowe.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 101.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 7,000,000.  
 Candle power, 22.

## KENTUCKY.

**The Bellevue Water and Fuel Gas Co., Bellevue.***Campbell County.*

Capital stock, \$250,000.  
 Total bonds outstanding, \$75,000.  
 President, Chas. W. Baker.  
 Treasurer, G. R. Harms.  
 Secretary, G. R. Harms.

Purchasing Agent, G. R. Harms.  
 Superintendent, G. R. Harms.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 10,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps, 75.  
 Price received for public lamps, \$32.50.  
 Approximate annual output, 500,000.  
 Candle power, 20.

The advantages of the adoption of Electric Lighting by Gas Companies are established beyond question, and the *Thomson-Houston* is the best system See advertisement, page x.



**Bowling Green Gas Light Co., Bowling Green.**

*Barren County.*

Capital stock, \$36,000.  
Total bonds outstanding, \$24,000.  
President, Thos. J. Smith.  
Treasurer, H. D. Fitch, Louisville, Ky.  
Secretary, Wm. Jarvis, Louisville, Ky.  
Purchasing Agent, H. D. Fitch, Louisville, Ky.  
Superintendent, F. L. Pollard.  
Process of Manufacture, Coal.  
Population, 10,000.  
Price of Gas in 1889, \$1.90 light ; 95c. fuel.  
Number of public lamps, none.  
Price received for public lamps, none.  
Approximate annual output,  
Candle power, 17.

**The Covington Gas Light Co., Covington.**

*Kenton County.*

Capital stock, \$300,000.  
Total bonds outstanding,  
President, A. Shinkle.  
Treasurer, First National Bank.  
Secretary, W. B. Sellers.  
Purchasing Agent, Jas. Salter.  
Superintendent, Jas. Salter.  
Process of Manufacture, Coal.  
Population, 36,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 506.  
Price received for public lamps, \$1.00.  
Approximate annual output, 36,000.  
Candle power, average 18.

**Danville Gas Light Co., Danville.**

*Boyle County.*

Capital stock, \$22,000.  
Total bonds outstanding, none.  
President, J. W. Proctor.  
Treasurer, J. H. Thomas.  
Secretary, C. H. Rodas.  
Purchasing Agent.  
Superintendent, J. S. Brown.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1889, \$3.00.  
Number of public lamps,  
Price received for public lamps, \$  
Approximate annual output,  
Candle power,

**Capital Gas and Electric Light Co., Frankfort.**

*Franklin County.*

Capital stock, \$100,000.  
Total bonds outstanding,  
President, Gen. D. W. Lindsey.  
Treasurer, E. L. Samuel.  
Secretary, E. L. Samuel.  
Purchasing Agent, Sam. J. Shea.  
Superintendent, Sam. J. Shea.  
Process of Manufacture, Lowe.  
Population, 10,000.  
Price of Gas in 1889, \$3.00.  
Number of public lamps, 157.  
Price received for public lamps, \$24.00.  
Approximate annual output, 12,000,000.  
Candle power, 20.  
Operate Western Electric System, 150 Arc Lights.

**Georgetown Gas Light Co., Georgetown.**

*Scott County.*

Capital stock, \$32,000.  
Total bonds outstanding,  
President, Jas. Y. Kelly.  
Treasurer, Victor Bradley.  
Secretary, H. S. Rhoten.  
Purchasing Agent, Wm. E. Fullagar.  
Superintendent, Wm. E. Fullagar, Lessee.  
Process of Manufacture, Coal.  
Population, 2,000.  
Price of Gas in 1889, \$3.00.  
Number of public lamps, 56.  
Price received for public lamps, \$20.  
Approximate annual output, 2,000,000.  
Candle power,

**City Gas Works, Henderson.**

*Henderson County.*

Capital stock,  
Total bonds outstanding,  
President, R. C. Soaper.  
Treasurer, C. T. Starlin.  
Secretary, Wm. Cannings.  
Purchasing Agent, Wm. Cannings.  
Superintendent, Wm. Cannings.  
Process of Manufacture, Coal.  
Population, 13,531.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 138.  
Price received for public lamps, free.  
Approximate annual output, 13,000,000.  
Candle power, 17.

**Hopkinsville Gas Co., Hopkinsville.**

*Hopkins County.*

Capital stock, \$35,000.  
Total bonds outstanding, \$15,000.  
President, E. P. Campbell.  
Treasurer, Walter Kelly.  
Secretary, Walter Kelly.  
Purchasing Agent, H. D. Fitch, Louisville, Ky.  
Superintendent, A. Hille.  
Process of Manufacture, Oil.  
Population, 7,000.  
Price of Gas in 1889, \$2.00 ; Coal gas basis.  
Number of public lamps, 75.  
Price received for public lamps, \$18 per annum.  
Approximate annual output,  
Candle power, 70.

**Lebanon Gas Light Co., Lebanon.**

*Marion County.*

Capital stock, \$21,000.  
Total bonds outstanding, none.  
President, J. A. Kelly.  
Treasurer, C. J. Edmonds.  
Secretary, C. J. Edmonds.  
Purchasing Agent, J. A. Kelly.  
Superintendent, J. F. Hawley.  
Process of Manufacture, Oil.  
Population, 3,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 87.  
Price received for public lamps, \$20.00.  
Approximate annual output,  
Candle power,

More than 200 Gas Companies are using the *Thomson-Houston System* and operating more than 13,000 Arc Lamps. See advertisement, page x.

**Lexington Gas Co., Lexington.***Fayette County.*

Capital stock, \$160,000.  
 Total bonds outstanding, none.  
 President, Alexander Jeffrey.  
 Treasurer, D. Virtner Johnson.  
 Secretary, D. Virtner Johnson.  
 Purchasing Agent, M. Feeny.  
 Superintendent, M. Feeny.  
 Process of Manufacture, Lowe.  
 Population, 30,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps, 265.  
 Price received for public lamps, \$21.97.  
 Approximate annual output, 18,000,000.  
 Candle power, 18.

**Citizens' Gas Light Co., Louisville.***Jefferson County.*

Capital stock,  
 Total bonds outstanding,  
 President, Chas. R. Long.  
 Treasurer, A. H. Barret.  
 Secretary, A. H. Barret.  
 Purchasing Agent, A. H. Barret.  
 Superintendent, A. H. Barret.  
 Process of Manufacture, Lowe.  
 Population, 200,000.  
 Price of Gas in 1889, \$1.30 and \$1.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 18 to 20.

**Louisville Gas Company, Louisville.***Jefferson County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Geo. W. Morris.  
 Treasurer, W. P. Lee.  
 Secretary, E. S. Porter.  
 Purchasing Agent, A. H. Barret, Vice-Pres. and Engineer.  
 Superintendent, A. H. Barret, Vice-Pres. and Engineer.  
 Process of Manufacture, Coal and Lowe.  
 Population, 200,000.  
 Price of Gas in 1889, \$1.30 Ill.; \$1.00 Fuel.  
 Number of public lamps, 3,400.  
 Price received for public lamps, \$20.00.  
 Approximate annual output,  
 Candle power, 18 to 20.

**Citizen's Gas Light Co., Maysville.***Mason County.*

Capital stock, \$60,000 (owned by Maysville Gas Co).  
 Total bonds outstanding of both Companies \$30,000.  
 President, Wm. H. Wadsworth.  
 Treasurer, Robt. A. Cochran.  
 Secretary, Robt. A. Cochran.  
 Purchasing Agent, Robt. A. Cochran.  
 Superintendent, James Simpson.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps 167 (both Companies).  
 Price received for public lamps, \$2.00 per month.  
 Approximate annual output,  
 Candle power, 16 or over.

**Maysville Gas Co., Maysville.***Mason County.*

Capital stock is \$45,300.  
 Total bonds outstanding of both Companies, \$30,000.  
 President and Manager, Robt. A. Cochran.  
 Directors, Newton Cooper, Wm. H. Cox and Wm. H. Wadsworth.  
 Superintendent, James Simpson.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Prices of Gas in 1889, \$1.50.  
 Number of public lamps, 167 (both Companies)  
 Price received for public lamps, \$2.00 per month.  
 Approximate annual output,  
 Candle power, 16 or over.

**Mt. Sterling Gas Light Co., Mt. Sterling.***Montgomery County.*

Capital stock is \$12,200.  
 Total bond outstanding, \$  
 President, J. M. Bigstaff.  
 Treasurer, T. J. Bigstaff.  
 Secretary, Edward Mitchell.  
 Purchasing Agent, Edward Mitchell.  
 Superintendent, Edward Mitchell.  
 Process of Manufacture, Oil.  
 Population, 5,500.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 40.  
 Price received for public lamps, \$25.00.  
 Approximate annual output,  
 Candle power,

**Newport Light Co., Newport.***Campbell County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, John A. Williamson.  
 Treasurer, L. R. Hawthorn.  
 Secretary, L. R. Hawthorn.  
 Purchasing Agent, Jno. A. Williamson.  
 Superintendent, Jno. A. Williamson.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.52, net.  
 Number of public lamps, 375.  
 Price received for public lamps, \$1.20 per 1,000.  
 Approximate annual output, 20,000,000.  
 Candle power, 16 to 17.  
 Operate Ball Electric System, 50 Arc Lights.

**Owensboro Gas Co., Owensboro.***Davies County.*

Capital stock, \$84,000.  
 Total bonds outstanding, \$60,000.  
 President, W. S. Wymond, Louisville.  
 Treasurer, P. T. Watkins.  
 Secretary, P. T. Watkins.  
 Purchasing Agent, H. D. Fitch, Louisville.  
 Superintendent, J. A. Corley.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00 light; \$1.00 fuel.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 17.

It has been clearly proved that Gas Companies which have adopted the *Thomson-Houston System* are alive to their own interests. See advertisement, page x.

**Paducah Gas Light Co., Paducah.**

*McCracken County.*

Capital stock is \$100,000.  
Total bonds outstanding, \$  
President, John Gilbert, Evansville, Ind.  
Treasurer, John Gilbert, Evansville, Ind.  
Secretary, John B. Hall, Jr., Evansville.  
Purchasing Agent, John B. Hall, Jr.  
Superintendent and Manager, H. W. Meyers.  
Process of Manufacture, Coal.  
Population, 20,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 262.  
Price received for public lamps, \$22.50.  
Approximate annual output, 12,000,000.  
Candle power, 18.3.  
Operate Brush Arc Electric System, 45 Lights,  
and Westinghouse Incandescent, 500 Lights.

**Gas Co. of Paris, Paris.**

*Bourbon County.*

Capital stock, \$30,000.  
Total bonds outstanding, none.  
President, A. Shire.  
Treasurer, John R. Swiney.  
Secretary, A. Shire.  
Purchasing Agent, A. Shire.  
Superintendent, J. V. Lytle.  
Process of Manufacture, Coal.  
Population, 6,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 148.  
Price received for public lamps, \$19.50.  
Approximate annual output, 4,000,000.  
Candle power, 16.

**Richmond Gas Light Co., Richmond.**

*Madison County.*

Capital stock, \$25,000.  
Total bonds outstanding, none.  
President, G. W. Evans.  
Treasurer, J. Stone Walker.  
Secretary, Chas. S. Powell.  
Purchasing Agent, Chas. S. Powell.  
Superintendent, Chas. S. Powell.  
Process of Manufacture, Naphtha.  
Population, 6,000.  
Price of Gas in 1889, \$3.00 per M.  
Number of public lamps, 90.  
Price received for public lamps, 10 cts. per post  
per night lighted.  
Approximate annual output, 4,000,000 feet.  
Candle power,  
Company own Arc Electric Light Charter.

**Shelbyville Gas Co., Shelbyville.**

*Shelby County.*

Capital stock, \$16,000.  
Total bonds outstanding, \$6,000.  
President, H. D. Fitch, Louisville, Ky.  
Treasurer, H. D. Fitch, Louisville, Ky.  
Secretary, Wm. Jarvis, Louisville, Ky.  
Purchasing Agent, H. D. Fitch, Louisville, Ky.  
Superintendent, J. D. Murray.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 54.  
Price received for public lamps, \$15.00.  
Approximate annual output, 4,000,000.  
Candle power, 17.

LOUISIANA.

**Baton Rouge Gas Works, Baton Rouge.**

*Baton Rouge County.*

Capital stock, \$  
Total bonds outstanding, none.  
Proprietor, J. D. Fisher.  
Treasurer,  
Secretary, H. V. Barringer.  
Purchasing Agent, H. V. Barringer.  
Superintendent, H. V. Barringer.  
Process of Manufacture, Coal.  
Population, 12,000.  
Price of Gas in 1889, \$3, with discounts.  
Number of public lamps, none.  
Price received for public lamps, none.  
Approximate annual output,  
Candle power, 18.

**Jefferson City Gas Light Co., New Orleans.**

*Parish of Orleans.*

Capital stock, \$300,000.  
Total bonds outstanding, \$49,000.  
President, Jas Jackson.  
Treasurer, J. H. Pagand.  
Secretary, J. H. Pagand.  
Purchasing Agent,  
Superintendent,  
Process of Manufacture, Coal.  
Population, 16,000.  
Price of Gas in 1889, \$2.40, net.

Number of public lamps, 858.  
Price received for public lamps, \$50.  
Approximate annual output, 16,000,000.  
Candle power, 17.

**New Orleans Gas Light Co., New Orleans.**

*Orleans County.*

Capital stock, \$3,750,000.  
Total bonds outstanding, \$300,000.  
President, A. H. Tiewerd.  
Treasurer, F. A. Richmond.  
Secretary, V. Vallois.  
Purchasing Agent, V. Vallois.  
Superintendent, V. Vallois.  
Process of Manufacture, Edgerton, Coal and  
Naphtha.  
Population, 235,000.  
Price of Gas in 1889, 1 cent for 20 candle light.  
Number of public lamps,  
Price received for public lamps  
Approximate annual output, 175,000,000.  
Candle power, 33.

**The Shreveport Gas, Electric Light and Power Co., Shreveport.**

*Parish of Caddo.*

Capital stock, \$200,000.  
Total bonds outstanding, \$65,000.  
President, J. C. Hamilton.

The *Thomson-Houston System* gives a greater amount of light for a given expenditure of energy than any other system. See advertisement, page x.



Treasurer, W. E. Hamilton.  
 Secretary, W. E. Hamilton.  
 Purchasing Agent, W. E. Hamilton.  
 Superintendent, Geo. M. McConoughey.  
 Process of Manufacture, Coal.  
 Population, 18,000.  
 Price of Gas in 1889, \$3.00 to \$2.25.

Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 16 and 18.  
 Operate Van Depoele Arc Electric System, 60  
 lights and Westinghouse Incandescent, 650  
 lights.

## MAINE.

### Kennebec Light and Heat Co., Augusta.

#### *Kennebec County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, S. I. Small.  
 Treasurer, Geo. F. West.  
 Secretary,  
 Purchasing Agent,  
 Superintendent, W. H. Williams.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50 and \$3.00.  
 Number of public lamps, none.  
 Approximate annual output, 6,000,000.  
 Candle Power, 20-22.  
 Operate Brush Arc Electric System; 100 Lights  
 in Augusta and 20 in Hallowell; Thomson-  
 Houston Incandescent, 1,500 lights.

### Bangor Gas Light Co., Bangor.

#### *Penobscot County.*

Capital stock, \$150,000.  
 Total bonds outstanding, none.  
 President, T. U. Coe.  
 Treasurer, Wm. S. Dennett.  
 Secretary, Henry Boardman.  
 Purchasing Agent,  
 Superintendent, A. H. Parker.  
 Process of Manufacture, Coal.  
 Population, 18,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 18,000,000.  
 Candle power, 18.

### Bath Gas Light Co., Bath.

#### *Sagadahoc County.*

Capital stock, \$70,000.  
 Total bonds outstanding, \$  
 President, Galen C. Moses.  
 Treasurer, Chas. I. McClellan.  
 Secretary, Chas. I. McClellan.  
 Purchasing Agent, A. D. Perry.  
 Superintendent, A. D. Perry.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00.  
 Price received for public lamps,  
 Number of public lamps, none.  
 Approximate annual output, 2,500,000.  
 Candle power, 18.

### Belfast Gas Light Co., Belfast.

#### *Waldo County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, Wm. B. Swan.

Treasurer, John H. Quimby.  
 Secretary, John H. Quimby.  
 Purchasing Agent,  
 Superintendent, Albion K. Pierce.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of lamps, 27.  
 Price received for public lamps, \$ 2.25 net.  
 Approximate annual output, 1,500,000.  
 Candle power, 19.

### Brunswick Gas Light Co., Brunswick.

#### *Cumberland County.*

Leased to the United Gas, Fuel and Light Co.  
 Capital stock, \$20,000.  
 Total bonds outstanding, \$8,000.  
 President, B. G. Dennison.  
 Treasurer, B. L. Dennison.  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Oil.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps,  
 Price received for public lamps, 3 cts. a night.  
 Approximate annual output, 1,000,000.  
 Candle power, 18 to 20.

### St. Croix Gas Light Co., Calais.

#### *Washington County.*

Capital stock, \$24,000.  
 Total bonds outstanding, \$  
 President, Frank Todd.  
 Treasurer, F. N. Davis.  
 Secretary, F. N. Davis.  
 Purchasing Agent, F. N. Davis.  
 Superintendent, F. N. Davis.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$3.00 with disc.  
 Number of public lamps, 4.  
 Price received for public lamps, \$17.00.  
 Approximate annual output, 3,500,000.  
 Candle power, 18.  
 Operate Brush Electric System. 66 Arc Lights;  
 —Incandescent System, — Lights.

### Eastport Gas and Electric Co., Eastport.

#### *Washington County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$30,000.  
 President, S. D. Leavitt.  
 Treasurer, N. B. Nutt.  
 Secretary, N. B. Nutt.  
 Purchasing Agent,  
 Superintendent,

In Maine the Gas Companies in the towns of Augusta and Eastport operate *Thomson-Houston Electric System*. See advertisement, page x.

Process of Manufacture,  
Population, 6,000.  
Price of Gas in 1889, \$2.50 and \$2.00.  
Number of public lamps, 36.  
Price received for public lamps, \$8.00.  
Approximate annual output,  
Candle power,  
Operate Thomson-Houston Electric System, 24  
Arc and 300 Incandescent Lights.

**Lewiston Gas Light Co., Lewiston.**

*Androscoggin County.*

Capital stock, \$75,000.  
Total bonds outstanding, none.  
President, Wallace H. White.  
Treasurer, Edward C. Lee.  
Secretary, Wm. R. Stevens.  
Purchasing Agent, Chas. E. Morgan.  
Superintendent, Wm. M. Scott.  
Process of Manufacture, Lowe.  
Population, 30,000.  
Price of Gas in 1889, \$1.75 and \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 12,000,000.  
Candle power, 20.

**Portland Gas Light Co., Portland.**

*Cumberland County.*

Capital stock, \$350,000.  
Total bonds outstanding, none.  
President, E. H. Davies.  
Treasurer, S. Rolfe.  
Secretary, C. S. D. Griffin.  
Purchasing Agent, E. H. Davies.  
Superintendent, Wm. Yorke.  
Process of Manufacture, Coal.  
Population, 35,000.  
Price of Gas in 1889, \$1.80 and \$1.70.

Number of public lamps, none.  
Price received for public lamps, none.  
Approximate annual output, 50,000,000.  
Candle power, 19.

**Rockland and Thomaston Gas Light Co., Rockland.**

*Knox County.*

Capital stock, \$50,000.  
Total bonds outstanding,  
President, F. H. Odiorne.  
Treasurer, A. M. Copp.  
Secretary, L. Weeks  
Purchasing Agent, A. M. Copp.  
Superintendent, C. T. Frost.  
Process of Manufacture, Coal.  
Population, 8,800.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 43.  
Price received for public lamps, \$2.50.  
Approximate annual output, 4,000,000.  
Candle power, 17½.

**Saco and Biddeford Gas Light Co., Saco and Biddeford.**

*York County.*

Capital stock, \$72,600.  
Total bonds outstanding, none.  
President, Horace Woodman.  
Treasurer, S. S. Richards.  
Secretary, S. S. Richards.  
Purchasing Agent, Horace Woodman.  
Superintendent, Horace Woodman.  
Process of Manufacture, Coal.  
Population, 18,000.  
Price of Gas in 1889, \$3.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 12,000,000.  
Candle power, 20.

MARYLAND.

**Annapolis Gas Light Co., Annapolis.**

*Anne Arundel County.*

Capital stock, \$49,500.  
Total bonds outstanding, none.  
President, Dr. T. O. Walton.  
Treasurer, Dr. T. O. Walton.  
Secretary, John H. S. Nichols.  
Purchasing Agent, John H. S. Nichols.  
Superintendent, Geo. M. Taylor.  
Process of Manufacture, Coal.  
Population, about 7,000.  
Price of Gas in 1889, \$2.00 net.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 9,000,000.  
Candle power, 18.

**The Consolidated Gas Co. of Baltimore City.**

*Baltimore County.*

Capital stock, \$11,000,000.  
Total bonds outstanding, \$5,400,000.  
President, John W. Hall.  
Secretary, L. R. Smoot.  
Treasurer, Joseph W. Clarke.  
Engineer, F. H. Hambleton.

Auditor, N. T. Meginniss.

Process of Manufacture, Oil, Lowe, Wilkinson  
& Jerzmanowski.  
Population, 500,000.  
Price of Gas, in 1889, \$1.25.  
Number of public lamps, 5,950.  
Price received for public lamps, \$1.25 per 1,000.  
Approximate annual output, 1,200,000,000.  
Candle power, 29.

**Cumberland Gas Light Co., Cumberland.**

*Allegheny County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.  
President, E. T. Shriver.  
Treasurer, Webster Bruce.  
Secretary, J. Fred Seamon.  
Purchasing Agent, A. J. Seamon.  
Superintendent, J. Fred Seamon.  
Process of Manufacture, Coal.  
Population, 12,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 12,000,000.  
Candle power, 17.

Power users should investigate the *Thomson-Houston* generators and motors. They are unequalled. See advertisement, page x.

## MARYLAND.

**Cambridge Gas Co., Cambridge.**

President, E. W. Lecompte.  
 Treasurer, Jas. R. Clark.  
 Secretary, J. B. Brown.  
 Purchasing Agent, J. B. Brown.  
 Superintendent, J. B. Brown.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1888, \$3.00, 10% off.

**Easton Gas and Electric Light Co., Easton.***Talbot County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$5,000.  
 President, M. M. Dawson.  
 Treasurer, John Mason.  
 Secretary, John Mason.  
 Purchasing Agent, John Mason.  
 Superintendent, John Mason.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 81 Electric.  
 Price received for public lamps, \$15.  
 Approximate annual output, 1,250,000.  
 Candle power, 16.  
 Operate Westinghouse Incandescent Electric System, 550 Lights.

**Elkton Gas Light Works, Elkton.***Cecil County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President,  
 Treasurer, Jos. Hinchliffe.  
 Secretary, Chas. M. Ellis.  
 Purchasing Agent,  
 Superintendent, Wm. Lort.  
 Process of Manufacture, Coal.  
 Population, 2,500.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 31.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**The American Light & Heat Co., Frederick City.***Frederick County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 Chairman, Henry Steck, Phila.  
 Gen. Manager, E. B. Knight, Phila.  
 Secretary,  
 Agent, G. T. Clingan Frederick.  
 Superintendent, G. T. Clingan Frederick.  
 Process of Manufacture, Lowe.

Population, 10,000.  
 Price of Gas in 1889, \$2.10 and disc.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 24.

**Frostburg Gas Light Co., Frostburg.***Allegany County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, James Kane.  
 Treasurer, B. Stern.  
 Secretary, F. C. Beall.  
 Purchasing Agent, Jas. Kane.  
 Superintendent, Jas. Kane.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.80 net.  
 Number of public lamps, 55.  
 Price received for public lamps, \$1.50 per month.  
 Approximate annual output,  
 Candle power,

**American Light and Heat Co., Ltd. Hagerstown.***Washington County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Henry Steck, Philadelphia.  
 Treasurer, E. B. Knight, Philadelphia.  
 Secretary, E. B. Knight, Philadelphia.  
 Agent, C. F. Manning, Hagerstown.  
 Superintendent, G. W. Sipe, Hagerstown.  
 Process of Manufacture, Lowe.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.90 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, 24.

**The Westminster Gas Light Co., Westminster.***Carroll County.*

Capital stock, \$24,000.  
 Total bonds outstanding, \$  
 President, John L. Rufsnider.  
 Treasurer, John H. Cunningham.  
 Secretary, John H. Cunningham.  
 Purchasing Agent, John H. Cunningham.  
 Superintendent, J. Clarence Mobley.  
 Process of Manufacture, Coal.  
 Population, 3,500.  
 Price of Gas in 1889, \$3 sliding scale disc.  
 Number of public lamp, 73.  
 Price received for public lamps, \$15.60.  
 Approximate annual output, 1,500,000.  
 Candle power.

## MASSACHUSETTS.

**Adams Gas Light Co., Adams.***Berkshire County.*

Capital stock, \$17,300.  
 Total bonds outstanding, none.  
 President, Daniel Upton.  
 Treasurer, Daniel Upton.  
 Secretary, Wm. B. Plunkett.  
 Purchasing Agent, Daniel Upton.

Superintendent, Chas. A. Waters.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.40 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 17.4.

In Massachusetts the Gas Companies in the towns of Athol, Beverly, Brookline, Chelsea, Chicopee, Lawrence, Lee, Lynn, New Bedford, Newburyport, Newton, North Adams, Southbridge, Waltham, Ware, Webster and Westfield operate the *Thomson-Houston Electric System*. See advertisement, page x.



**Amesbury Gas Co., Amesbury.***Essex County.*

Capital stock, \$60,000.  
 Total bonds outstanding, none.  
 President, Wm. E. Biddle.  
 Treasurer, E. E. Proctor.  
 Secretary,  
 Purchasing Agent,  
 Superintendent, A. E. Hammond.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 12,000.  
 Price of Gas in 1889, \$1.30, \$1.50, \$1.75, \$2.00.  
 Number of public lamps, 15.  
 Price received for public lamps, \$24.  
 Approximate annual output, 5,000,000.  
 Candle power, 21.

**Amherst Gas Co., Amherst.***Hampshire County.*

Capital stock, \$10,000.  
 Total bonds outstanding, none.  
 President, D. W. Palmer.  
 Treasurer, George Cutler.  
 Secretary, George Cutler.  
 Purchasing Agent, George Cutler.  
 Superintendent, A. W. Sanderson.  
 Process of Manufacture, Naphtha.  
 Population, 4,200.  
 Price of gas in 1889, \$4.50 to \$6.00, discs.  
 Number of public lamps, 50.  
 Price received for public lamps, \$3.00.  
 Approximate annual output, 900,000.  
 Candle power.  
 Operate Westinghouse Incandescent Electric System, 1,000 Lights.

**Arlington Gas Light Co., Arlington.***Middlesex County.*

Capital stock, \$70,000.  
 Total bonds outstanding, none.  
 President, H. M. Howe.  
 Treasurer, J. H. Converse.  
 Secretary, J. H. Converse.  
 Purchasing Agent, J. H. Converse.  
 Superintendent, C. H. Wharton.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.75.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 500,000,000.  
 Candle power, 17.3.

**Millers River Gas Light Co., Athol.***Worcester County.*

Capital stock, \$40,000.  
 Total bonds outstanding, none.  
 President, F. A. Sawyer.  
 Treasurer, F. R. Davis.  
 Secretary, F. R. Davis.  
 Purchasing Agent, F. R. Davis.  
 Superintendent, F. R. Davis.  
 Process of Manufacture, Coal and Lowe (by Granger).  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,000,000.  
 Candle power, 17 to 22.  
 Operate Thomson-Houston Electric System, 25 Arc and 23 Series Incandescent.

**Attleboro' Gas Light Co., Attleboro'.***Bristol County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, J. R. Bronson.  
 Treasurer, G. A. Dean.  
 Secretary, G. A. Dean.  
 Purchasing Agent, E. S. Capron.  
 Superintendent, E. S. Capron.  
 Process of Manufacture, Coal.  
 Population, 7,500.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 7,000,000.  
 Candle power, 16½.

**The Beverly Gas Light Co., Beverly.***Essex County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, John I. Baker.  
 Treasurer, Andrew W. Rogers.  
 Secretary, Andrew W. Rogers.  
 Purchasing Agent, A. W. Rogers.  
 Superintendent, Edward J. Hassett.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.20, \$2.40 net.  
 Number of public lamps, 52.  
 Price received for public lamps, \$16.00.  
 Approximate annual output, 5,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System, 35 Arc Lights.

**The Bay State Gas Co., Boston.**

Capital stock, \$500,000.  
 Total bonds outstanding,  
 President, Samuel Little.  
 Treasurer, F. P. Addicks.  
 Secretary, C. R. Todd.  
 Purchasing Agent, F. P. Addicks.  
 Superintendent, W. R. Addicks.  
 Process of Manufacture, Lowe (by Flannery).  
 Population,  
 Price of Gas in 1889, \$1.30.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 25,000,000.  
 Candle power, 30.

**The Boston Gas Light Co., Boston.**

Capital stock, \$2,500,000.  
 Total bonds outstanding.  
 President, S. Edward Addicks.  
 Treasurer, F. P. Addicks.  
 Secretary, C. R. Todd.  
 Purchasing Agent, F. P. Addicks.  
 Engineer, M. S. Greenough.  
 Process of Manufacture, Coal.  
 Population,  
 Price of Gas in 1889, \$1.30.  
 Number of public lamps, 3,208.  
 Price received for public lamps, \$1.00 per M.  
 Approximate annual output, 1,300,000,000.  
 Candle power, 18.

The *Thomson-Houston Company* supplies apparatus for Arc and Incandescent Lighting, and the electrical transmission of power. See advertisement, page x.

**Charleston Gas Co., Boston.***Suffolk County.*

Capital stock, \$500,000.  
 Total bonds outstanding, none.  
 President, James F. Hunnewell.  
 Treasurer, Geo. B. Neal.  
 Manager, Geo. B. Neal.  
 Recorder, G. B. N. Cook.  
 Superintendent, Patrick Coyle.  
 Process of Manufacture, Coal and Lowe (by Granger).  
 Population, about 40,000.  
 Price of Gas in 1889, \$1.25 to \$1.75.  
 Number of public lamps, 842.  
 Price received for public lamps, \$1.55 per M.  
 Approximate annual output, 88,000,000.  
 Candle power,  
 Operate Brush Arc Electric System, 145 Lights. Incandescent; Brush Current, Sawyer-Mann Lamps, 109 Lights.

**Dorchester Gas Light Co., Dorchester District, Boston.***Suffolk County.*

Capital stock, \$400,000.  
 Total bonds outstanding.  
 President, N. J. Rust.  
 Treasurer, F. P. Addicks.  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population,  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 1,450.  
 Price received for public lamps,  
 Approximate annual output, 65,000,000.  
 Candle power, 18.

**East Boston Gas Co., Boston.***Suffolk County.*

Capital stock, \$220,000.  
 Total bonds outstanding, none.  
 President, Stephen H. Whidden.  
 Treasurer, Frederick Pease.  
 Secretary, Frederick Pease.  
 Purchasing Agent,  
 Superintendent, John H. Burnham.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, 690.  
 Price received for public lamps, \$1.60 per M.  
 Approximate annual output, 39,000,000.  
 Candle power, 18.50.

**Jamaica Plain Gas Light Co., Ward 23, Boston.***Suffolk County.*

Capital stock, \$200,000.  
 Total bonds outstanding, none.  
 President, Francis A. Peters.  
 Treasurer, Geo. W. Kenyon.  
 Secretary, Geo. W. Kenyon.  
 Purchasing Agent none.  
 Superintendent, James F. Rogers.  
 Process of Manufacture, Coal.  
 Population,  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 755.

Price received for public lamps, \$1.85 per M.  
 Approximate annual output, 40,000,000.  
 Candle power, 17.6-10.

**The Roxbury Gas Light Co., Roxbury District, Boston.***Suffolk County.*

Capital stock, \$600,000.  
 Total bonds outstanding,  
 President, Samuel Little.  
 Treasurer, F. P. Addicks.  
 Secretary, C. R. Todd.  
 Purchasing Agent, F. P. Addicks.  
 Superintendent, L. W. Wells.  
 Process of Manufacture, Coal.  
 Population,  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps,  
 Price received for public lamps, \$1.50.  
 Approximate annual output, 175,000,000.  
 Candle power, 20.

**South Boston Gas Light Co., Boston.**

President, Eustace C. Fitz.  
 Treasurer, F. P. Addicks.  
 Secretary, C. R. Todd.  
 Purchasing Agent,  
 Superintendent, Edward Jones; E. C. Jones,  
 Assistant.  
 Process of Manufacture, Coal.  
 Population, 70,000.  
 Price of Gas in 1888, \$1.80.

**Brockton Gas Light Co., Brockton.***Plymouth County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$100,000.  
 Vice President and Manager, Malcolm Peters.  
 Treasurer, J. W. Whitmarsh.  
 Secretary, J. W. Whitmarsh.  
 Purchasing Agent, Malcolm Peters.  
 Superintendent, Eugene H. Yorke.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$2.25; 10 to 25% discount.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 15,000,000.  
 Candle power, 18¾.

**Brookline Gas Light Co., Brookline.***Norfolk County.*

Capital stock, \$450,000.  
 Total bonds outstanding,  
 President, Dr. Rob't Amory.  
 Treasurer, Francis W. Lawrence.  
 Secretary, Francis W. Lawrence.  
 Purchasing Agent,  
 Superintendent, Charles S. Spaulding.  
 Process of Manufacture, Coal  
 Population, 18,000.  
 Price of Gas in 1889, \$1.90.  
 Number of public lamps, 800.  
 Price received for public lamps, \$1.80.  
 Approximate annual output, 60,000,000.  
 Candle power, 18.5.  
 Operate American and Thomson-Houston Electric System, 260 Arc and 700 Alternating Incandescent Lights.

The constantly increasing use of the *Thomson-Houston Alternating Current* apparatus proves its superiority. See advertisement, page x.

**Cambridge Gas Light Co., Cambridge.***Middlesex County.*

Capital stock, \$700,000.  
 Total bonds outstanding, none.  
 President, D. U. Chamberlin.  
 Treasurer, Adolph Vogl.  
 Secretary, Adolph Vogl.  
 Purchasing Agent, Horace A. Allyn.  
 Superintendent, Horace A. Allyn.  
 Process of Manufacture, Coal.  
 Population, 74,500.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, 930.  
 Price received for public lamps, \$1.35 per M.  
 Approximate annual output, 120,000,000.  
 Candle power, 17.8.

**Chelsea Gas Light Co., Chelsea.***Suffolk County.*

Capital stock, \$300,000.  
 Total bonds outstanding, none.  
 President, Wm. G. Peck.  
 Treasurer, Geo. W. Moses.  
 Secretary, David J. Coburn.  
 Purchasing Agent, G. W. Moses.  
 Superintendent, John Andrew.  
 Process of Manufacture, Coal.  
 Population, 28,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 512.  
 Price received for public lamps, \$1.80 per M.  
 Approximate annual output, 35,000,000.  
 Candle power, 19.  
 Operate Thomson-Houston Electric System, 200  
 Arc and 400 Incandescent Lights.

**Chicopee Gas Works, Chicopee.***Hampden County.*

Capital stock, \$30,000.  
 Total bonds outstanding.  
 President, T. J. Coolidge.  
 Treasurer, David Boynton.  
 Secretary,  
 Purchasing Agent, J. Howard Nichols.  
 Superintendent, David Boynton.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, 4.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 17.5.  
 Operate, Thomson-Houston Electric System, 45  
 Arc Lights.

**Clinton Gas Light Co., Clinton.***Worcester County.*

Capital stock, \$35,000.  
 Total bonds outstanding, none.  
 President, Eli Forbes.  
 Treasurer, Henry N. Bigelow.  
 Secretary, Henry N. Bigelow.  
 Purchasing Agent, Henry N. Bigelow.  
 Superintendent, Wm. H. Spaulding.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50, 5% discount.  
 Number of public lamps, 6.

Price received for public lamps, \$13.  
 Approximate annual output, 7,000,000  
 Candle power, 18.  
 Operate Schuyler Arc Electric System, 80 Lights,  
 Thomson-Houston, Incandescent, 600 Lights.

**Cottage City Gas & Electric Light Co., Cottage City.***Dukes County.*

Capital stock, \$25,000.  
 Total bonds outstanding,  
 President, H. A. Holcomb.  
 Treasurer, J. Augustus Brownell.  
 Secretary,  
 Agent, Lewis Bartlett.  
 Superintendent, F. W. Jennings,  
 Process of Manufacture, Loomis.  
 Population,  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, 18.  
 Price received for public lamps, 01½ per hour.  
 Approximate annual output,  
 Candle power.  
 Operate Ball Electric System, 60 Arc Lights.

**Danvers Gas Light Co., Danvers.***Essex County.*

Capital stock, \$20,000.  
 Total bonds outstanding,  
 President and Agent, W. Eliot Fette, Boston.  
 Treasurer, L. A. Wyman.  
 Secretary, L. A. Wyman.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$3.00 less 10%,  
 Number of public lamps, none.  
 Prices received for public lamps.  
 Approximate annual output, 1,800,000.  
 Candle power,

**Dedham & Hyde Park Gas and Electric Co., Dedham.***Norfolk County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, J. W. Clark.  
 Treasurer, C. A. Taft.  
 Secretary, C. A. Taft.  
 Purchasing Agent, W. Eliot Fette.  
 Superintendent, George F. Goodno.  
 Process of Manufacture, Coal.  
 Population, 18,000.  
 Price of Gas in 1889, \$2.00 to \$2.50.  
 Number of public lamps, 109.  
 Price received for public lamps, \$2.00 per M.  
 Approximate annual output, 8,000,000  
 Candle power, 17.50.

**Easthampton Gas Co., Easthampton.***Hampshire County.*

Capital stock, \$30,000.  
 Total bonds outstanding, none.  
 President, E. Thos. Sawyer.  
 Treasurer, H. L. Clark.  
 Secretary, H. L. Clark.  
 Purchasing Agent,  
 Superintendent, Geo. L. Manchester.

The fact that the sale of *Thomson-Houston* apparatus to Gas Companies is daily increasing is proof of its superior qualities. See advertisement, page x.



Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$2.40 to \$2.80.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 3,500,000.  
Candle power,

**Fall River Gas Works Co., Fall River.**

*Bristol County.*

Capital stock, \$288,000.  
Total bonds outstanding,  
President, John T. Brayton.  
Treasurer, Edward C. Lee.  
Manager, Geo. P. Brown.  
Purchasing Agent, Chas. E. Morgan, Phila.  
Superintendent, Geo. H. Harper.  
Process of Manufacture, Coal and Lowe.  
Population, 70,000.  
Price of Gas in 1889, \$1.75 and \$1.50 net.  
Number of Public lamps, 325.  
Price received for public lamps, 1 cent per hour.  
Approximate annual output, 54,000,000.  
Candle power, 20.

**Manufacturers Gas Light Co., Fall River.**

*Bristol County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$  
President, Chas. M. Shove.  
Treasurer, Joseph A. Baker.  
Secretary, Joseph A. Baker.  
Purchasing Agent, Joseph A. Baker.  
Superintendent, Martin Dalton.  
Process of Manufacture, Coal.  
Population, 65,000.  
Price of Gas in 1889, \$1.50 and \$1.75.  
Number of public lamps, 100.  
Price received for public lamps, 1 cent per hour.  
Approximate annual output, 13,500,000.  
Candle power,

**Fitchburg Gas Co., Fitchburg.**

*Worcester County.*

Capital stock, \$60,000.  
Total bonds outstanding, none.  
President, Rodney Wallace.  
Treasurer, Henry F. Coggsall.  
Secretary, Henry F. Coggsall.  
Purchasing Agent, Henry F. Coggsall.  
Superintendent, Henry F. Coggsall.  
Process of Manufacture, Coal.  
Population, 20,000.  
Price of Gas in 1889, \$1.60 to \$2.00.  
Number of public lamps, 70.  
Price received for public lamps, \$20.  
Approximate annual output, 17,000,000.  
Candle power, 18.  
Operate Thomson Houston Electric System, 161  
Arc and 100 Alternating Incandescent Lights.

**Gardner Gas Light Co.**

*Worcester County.*

Capital stock, \$30,000.  
Total bonds outstanding, \$12,500.  
President,  
Treasurer,  
Secretary,  
Purchasing Agent,

Superintendent,  
Process of Manufacture, Coal.  
Population, 8,000.  
Price of Gas, \$4.50.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 901,200.  
Candle power,

**Gloucester Gas Light Co., Gloucester.**

*Essex County.*

Capital stock, \$62,300.  
Total bonds outstanding,  
President, F. H. Odiorne.  
Treasurer, D. W. Low.  
Secretary, D. W. Low.  
Purchasing Agent, J. A. Coffin.  
Superintendent, J. A. Coffin.  
Process of Manufacture, Coal.  
Population, 23,000.  
Price of Gas in 1889, \$1.80.  
Number of public lamps, 100.  
Price received for public lamps, \$1.50.  
Approximate annual output, 15,000.  
Candle power, 18.65.

**Great Barrington Gas Light Co., Great Barrington.**

*Berkshire County.*

Capital stock, \$5,000.  
Total bonds outstanding,  
President, John S. Dodge.  
Treasurer, Geo. E. Russell.  
Secretary, Geo. E. Russell.  
Purchasing Agent, Pailey A. Russell.  
Superintendent,  
Process of Manufacture (Hanlon).  
Population, 5,000.  
Price of Gas in 1889, \$3.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 600,000.  
Candle power, 23.

**The Greenfield Gas Light Co., Greenfield.**

*Franklin County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, Franklin R. Allen.  
Treasurer, Dana Malone.  
Secretary, Dana Malone.  
Purchasing Agent,  
Superintendent, Henry H. Kelly.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, none.  
Price received for public lamps.  
Approximate annual output, 4,000,000.  
Candle power, 18.

**Haverhill Gas Light Co., Haverhill.**

*Essex County.*

Capital stock, \$75,000.  
Total bonds outstanding, none.  
President, A. A. Sargent.  
Treasurer, W. H. Curtis.  
Secretary, W. H. Curtis.  
Purchasing Agent, A. A. Sargent.  
Superintendent, W. K. Stratton.

Gas Companies should investigate the *Thomson-Houston System* of street lighting by Incandescent Lamps. Send for Circular No. 34. See advertisement, page x.

Process of Manufacture, Coal.  
Population, about 28,000.  
Price of Gas in 1889, \$1.40 net.  
Number of public lamps, 190.  
Price received for public lamps,  $8\frac{1}{4}$  cents per lamp per night.  
Approximate annual output, 45,000,000.  
Candle power, 18.7.

**Holyoke Gas Works, Holyoke.***Hampden County.*

Capital stock,  
Total bonds outstanding,  
President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent, L. D. Rhoades.  
Process of Manufacture, Coal.  
Population, 35,000.  
Price of Gas in 1889, \$1.75 and \$1.50 net.  
Number of public lamps, 80.  
Approximate annual output, 50,000,000.  
Candle power, 18.39.

**Ipswich Gas Light Co., Ipswich.**

President, Joseph Bass.  
Treasurer, W. K. Bell.  
Secretary, W. K. Bell.  
Purchasing Agent, W. K. Bell.  
Superintendent, W. K. Bell.  
Process of Manufacture, Hanlon.  
Population, 4,500.  
Price of Gas in 1889, \$3.50.

**The Lawrence Gas Co., Lawrence.***Essex County.*

Capital stock, \$500,000.  
Total bonds outstanding, none.  
President, George L. Davis.  
Treasurer, Gardiner P. Gates.  
Agent, C. J. R. Humphreys.  
Process of Manufacture, Coal and Lowe,  
Population, 45,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 80,000,000 feet.  
Candle power,  $18\frac{1}{2}$ .  
Operate Thomson-Houston Arc Electric System,  
150 Lights.

**Lee Gas Co., Lee.***Berkshire County.*

Capital stock, none.  
Total bonds outstanding, none.  
Owners, Robinson & Dresser.  
Treasurer, David Dresser.  
Secretary,  
Purchasing Agent, J. C. Chaffee.  
Superintendent, J. C. Chaffee.  
Process of Manufacture, Smith & Goldthorpe.  
Population, 4,200 town; 1,400 village.  
Price of gas in 1889, \$7.50.  
Number of public lamps, 2.  
Price received for public lamps, \$25.  
Approximate annual output, can't say.  
Candle power, 58.  
Operate Thomson-Houston Electric System,  
about 300 Incandescent Lights.

**Leominster Gas Light Co., Leominster.***Worcester County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, Charles L. Joslin.  
Treasurer, Howard M. Lane.  
Secretary, Howard M. Lane.  
Purchasing Agent, Howard M. Lane.  
Superintendent, Howard M. Lane.  
Process of Manufacture, Hanlon-Leadley.  
Population, 6,000.  
Price of Gas in 1889, \$4.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 2,200,000.  
Candle power, 28.

**Lexington Gas Light Co., Lexington.***Middlesex County.*

Capital stock, \$20,000.  
Total bonds outstanding, none.  
President, Hammon Reed.  
Treasurer, Leonard A. Saville.  
Secretary, Leonard A. Saville.  
Purchasing Agent, Otis Wentworth.  
Superintendent, Otis Wentworth.  
Process of Manufacture, Hanlon-Leadley.  
Population, 3,000.  
Price of Gas in 1889, \$6.00, less 10 per cent.  
Number of public lamps, 86.  
Price received for public lamps, \$4.10 per night.  
Approximate annual output, 1,000,000.  
Candle power, 28 to 31.

**Lowell Gas Light Co., Lowell.***Middlesex County.*

Capital stock, \$500,000.  
Total bonds outstanding, none.  
President, Sewall G. Mack.  
Treasurer, Jacob Rogers.  
Secretary, D. B. Bartlett.  
Purchasing Agent, Committee of Directors.  
Superintendent,  
Process of Manufacture, Coal.  
Population, 80,000.  
Price of Gas in 1889, net \$1.10.  
Number of public lamps, 938 Gas.  
Price received for public lamps, 4.4 mills per hour.  
Approximate annual output, 210,000,000.  
Candle power, 18.1.

**Lynn Gas and Electric Co., Lynn.***Essex County.*

Capital stock, \$375,000.  
Total bonds outstanding,  
President, Chas. H. Newhall.  
Treasurer, Chas. C. Fry.  
Secretary, Chas. C. Fry.  
Purchasing Agent,  
Superintendent, Gas, Chas. F. Prichard; Electricity, J. Frank Perry.  
Process of Manufacture, Coal and Lowe (by Granger).  
Population, 50,000.  
Price of Gas in 1889, \$1.80, net.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 63,000,000.  
Candle power, 18.  
Operate Thomson-Houston Electric System, 300 Arc and 2,000 Incandescent Lights.

The *Thomson-Houston Company* was awarded the only Gold Medal given for Arc Lighting at the International Inventions Exhibition, London, August 11th, 1885. See advertisement, page x.

**Malden and Melrose Gas Light Co., Malden.***Middlesex County.*

Capital stock, \$220,000.  
 Total bonds outstanding, none.  
 President, Joshua T. Foster.  
 Treasurer, Geo. D. Bill.  
 Secretary, Geo. D. Bill.  
 Purchasing Agent, Geo. D. Bill.  
 Superintendent, Geo. D. Bill.  
 Process of Manufacture, Coal.  
 Population, 50,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, 2.  
 Price received for public lamps, \$2.00 per M.  
 Approximate annual output, 32,000,000.  
 Candle power, 18.

**Marblehead Gas and Electric Light Co., Marblehead.***Essex County.*

Capital stock, \$40,000.  
 Total bonds outstanding, none.  
 President, W. Eliot Fette, 11 Walnut St., Boston.  
 Treasurer, L. A. Wyman.  
 Purchasing Agent, W. Eliot Fette.  
 Superintendent, C. R. Dinsmore.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$3.00, 10 per cent dis.  
 Number of public lamps, 80.  
 Price received for public lamps, \$2.40 per M.  
 Approximate annual output, 3,000,000.  
 Candle power, 17.

**Marlborough Gas Light Co., Marlborough.***Middlesex County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, S. H. Howe.  
 Treasurer, H. S. Crowell.  
 Secretary, H. S. Crowell.  
 Purchasing Agent, H. S. Crowell.  
 Superintendent, Wm. Anderson.  
 Process of Manufacture, Coal.  
 Population, 14,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 8.  
 Price received for public lamps, \$2.25 per M.  
 Approximate annual output, 4,500,000.  
 Candle power, 17.9.

**Mansfield Gas and Electric Light Co., Mansfield.***Bristol County.*

Capital stock,  
 Total bonds outstanding,  
 President, A. F. Rogerson.  
 Treasurer, W. C. Winter.  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population, 3,500.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Methuen Gas Light Co., Methuen.***Essex County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, James T. Wall.  
 Treasurer, G. Parker.  
 Secretary, F. M. Smith.  
 Purchasing Agent.  
 Superintendent.  
 Process of Manufacture, Petroleum.  
 Population, 4,600.  
 Price of Gas.  
 Number of public lamps.  
 Price received for public lamps.  
 Candle power.  
 Approximate annual output. Works not yet in operation.  
 Operate (probably) Thomson-Houston Electric System.

**Middleboro Gas and Electric Light Co., Middleboro.***Plymouth County.*

Capital stock, \$35,000.  
 Total bonds outstanding.  
 President, N. E. Wilbur.  
 Treasurer, Geo. A. Smith.  
 Secretary, Geo. A. Smith.  
 Purchasing Agent, John N. Main.  
 Superintendent, John N. Main.  
 Process of Manufacture, Patton.  
 Population, 12,000.  
 Price of Gas in 1889, \$5 00.  
 Number of public lamps, 410.  
 Price received for public lamps, \$13.00.  
 Approximate annual output, 800,000.  
 Candle power, average, 50.  
 Operate Westinghouse Electric System, 21 Arc Lights.

**Milford Gas Co., Milford.***Worcester County.*

Capital stock, \$80,000.  
 Total bonds outstanding, none.  
 President, C. F. Claffin.  
 Treasurer, B. E. Harris.  
 Secretary, L. H. Cook.  
 Purchasing Com., B. E. Harris, C. F. Claffin and L. H. Cook.  
 Superintendent, J. J. Nutter.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 43.  
 Price received for public lamps, \$19.  
 Approximate annual output, 9,000,000.  
 Candle power, 18½.

**Monson Gas and Electric Co., Monson.***Hampden County.*

Capital stock, \$20,000.  
 Total bonds outstanding,  
 President, Geo. H. Newton.  
 Treasurer, Thos. T. Robinson.  
 Secretary, Chas. B. Fisk.  
 Purchasing Agent, Thos. T. Robinson.  
 Superintendent,  
 Process of Manufacture,  
 Population, 4,000.

The *Thomson-Houston Electric Company* was one of the first to show Gas Companies that it was to their advantage to combine Gas and Electric Lighting. See advertisement, page x.



Price of Gas  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Gas and Electric Light Plants to be erected during 1890.

**Nantucket Gas Light Co., Nantucket.***Nantucket County.*

Capital stock, \$36,000.  
 Total bonds outstanding, none.  
 President, Almon T. Mowry.  
 Treasurer, Andrew M. Myrick.  
 Secretary, Andrew M. Myrick.  
 Purchasing Agent, A. T. Mowry.  
 Superintendent, Isaiah E. Coffin.  
 Process of Manufacture, Coal.  
 Population, 3,500.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, 72.  
 Price received for public lamps, \$1,000.  
 Approximate annual output, 2,000,000.  
 Candle power, 16.

**Natick Gas Light Co., Natick.***Middlesex County.*

Capital stock, \$20,000.  
 Total bonds outstanding.  
 President, Riley Pebbles.  
 Treasurer, Ed. Clark.  
 Secretary, G. F. Macmunn.  
 Purchasing Agent, G. F. Macmunn.  
 Superintendent, G. F. Macmunn.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, 30.  
 Price received for public lamps, \$12.00.  
 Approximate annual output, 3,700,000.  
 Candle power, 17.42.

**New Bedford Gas Light Co., New Bedford.***Bristol County.*

Capital stock, \$400,000.  
 Total bonds outstanding,  
 President, Gilbert Allen.  
 Treasurer, Gilbert Allen.  
 Secretary, Robt. B. Taber.  
 Purchasing Agent, Robt. B. Taber.  
 Superintendent, Gideon Wood.  
 Process of Manufacture, Coal.  
 Population, 40,000.  
 Price of Gas in 1889, \$1.80 to \$1.50.  
 Number of public lamps, 450.  
 Price received for public lamps,  
 Approximate annual output, 50,000,000.  
 Candle power,  
 Operate, Thomson-Houston Electric System,  
 250 Arc Lights; Motor System, 100 H. P.;  
 Westinghouse Incandescent System, 5,000  
 Lights.

**Newburyport Gas and Electric Co., Newburyport,***Essex County.*

Capital stock, \$140,000.  
 Total bonds outstanding,  
 President, Elisha P. Dodge.  
 Treasurer, E. F. Stone.

Secretary,  
 Purchasing Agent, D. D. Tilton.  
 Superintendent, D. D. Tilton.  
 Process of Manufacture, Coal.  
 Population, about 15,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power; 18.  
 Operate Thomson-Houston Electric System,  
 125 Arc and 500 Incandescent Lights.

**Newton and Watertown Gas Light Co., Newton and Watertown.***Middlesex County.*

Capital stock, \$200,000.  
 Total bonds outstanding,  
 President, J. N. Bacon.  
 Treasurer, T. Murdoch.  
 Secretary, T. Murdoch.  
 Purchasing Agent, Waldo A. Learned.  
 Superintendent, Waldo A. Learned.  
 Process of Manufacture, Coal.  
 Population, 20 000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, 720.  
 Price received for public lamps, \$12.  
 Approximate annual output, 50,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System,  
 90 Arc and 2,000 Incandescent Lights.

**North Adams Gas Light Co., North Adams.***Berkshire County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, W. L. Brown.  
 Treasurer and Manager, Frank S. Richardson.  
 Secretary, E. B. Hamblen.  
 Purchasing Agent, Frank S. Richardson.  
 Superintendent, L. W. Woodward,  
 Process of Manufacture, Coal.  
 Population, about 15,000.  
 Price of Gas in 1889, \$1.60 and 1.85 net.  
 Number of public lamps, 115.  
 Price received for public lamps, \$25.  
 Approximate annual output, 20,000,000.  
 Candle power, about 18.  
 Operate No. Adams Electric Light & Power  
 Co., using Thomson-Houston Electric System,  
 50 Arc and 275 Incandescent Lights.

**Northampton Gas Light Co., Northampton.***Hampshire County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, Marvin M. French.  
 Treasurer, Geo. P. Dickinson.  
 Secretary, Geo. P. Dickinson.  
 Purchasing Agent, D. N. Crafts.  
 Superintendent, D. N. Crafts.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 12,000,000.  
 Candle power, 18.

The reliability of the regulating feature of the *Thomson-Houston* *Dynamos* reduces the attention required to a minimum. See advertisement, page x.

**North Attleboro Gas Light Co., North Attleboro.***Bristol County.*

Capital stock, \$68,100.  
 Total bonds outstanding, \$68,100.  
 President, H. F. Barrows.  
 Treasurer, C. H. Randall.  
 Secretary,  
 Purchasing Agent,  
 Superintendent, W. B. Knight.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 11,000,000.  
 Candle power, 17.

**Norwood Gas Light Co., Norwood.***Norfolk County.*

Capital stock, \$12,000.  
 Total bonds outstanding, none.  
 President, G. H. Morrill.  
 Treasurer, E. J. Shattuck.  
 Secretary, E. J. Shattuck.  
 Purchasing Agent, E. J. Shattuck.  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.70.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 18.

**Pittsfield Coal Gas Co., Pittsfield.***Berkshire County.*

Capital stock, \$62,500.  
 Total bonds outstanding, none.  
 President, R. W. Adam.  
 Treasurer, W. R. Plunkett.  
 Secretary, W. R. Plunkett.  
 Purchasing Agent, W. R. Plunkett.  
 Superintendent, John F. Dunbar.  
 Process of Manufacture, Coal.  
 Population, 16,500.  
 Price of Gas in 1889, \$1.50 to \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 15,000,000.  
 Candle power, 19.20.

**Union Gas Works, Pittsfield.***Berkshire County.*

Capital stock, works are owned in common by three manufacturing establishments.  
 Total bonds outstanding, none.  
 Purchasing Agent, John F. Dunbar.  
 Superintendent, John F. Dunbar.  
 Process of Manufacture, Coal.  
 Price of Gas in 1889, at cost.  
 Candle power, 18.

**Plymouth Gas Light Co., Plymouth.***Plymouth County.*

Capital stock, \$40,000.  
 Total bonds outstanding,

President, F. H. Odiorne.  
 Treasurer, A. M. Copp.  
 Secretary, A. M. Copp.  
 Purchasing Agent, Atwood & Copp.  
 Superintendent, H. A. Atwood.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.50 with disc.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximately annual output, 4,400,000.  
 Candle power, 17.5.

**Citizens' Gas Light Co., Quincy.***Norfolk County.*

Capital stock, \$33,000.  
 Total bonds outstanding,  
 President, John Claffy.  
 Treasurer, M. R. Williams.  
 Secretary, M. R. Williams.  
 Purchasing Agent, M. R. Williams.  
 Superintendent, J. J. Sullivan.  
 Process of Manufacture, Coal.  
 Population, 13,000.  
 Price of Gas in 1889, \$2.00 to \$3.00.  
 Number of public lamps, 54.  
 Price received for public lamps, 85c. per month.  
 Approximate annual output, 8,000,000.  
 Candle power, 18.8.

**Salem Gas Light Co., Salem.***Essex County.*

Capital stock, \$300,000.  
 Total bonds outstanding, none.  
 President, Wm. H. Jelly.  
 Treasurer, David Moore.  
 Secretary, B. W. Sherman.  
 Purchasing Agent, David Moore.  
 Superintendent, David Moore.  
 Process of Manufacture, Coal.  
 Population, 28,000.  
 Price of Gas in 1889, \$1.80 net.  
 Number of public lamps, 89.  
 Price received for public lamps, \$1.80 per M.  
 Approximate annual output, 40,000,000.  
 Candle power, 18.

**Mutual Gas Light Co., Southbridge.***Worcester County.*

Capital stock, \$40,000.  
 Total bonds outstanding,  
 President, Hiram C. Wells.  
 Treasurer, J. F. Hyde.  
 Secretary,  
 Purchasing Agent,  
 Superintendent, J. P. Hyde.  
 Process of Manufacture, Oil.  
 Population, 7,000.  
 Price of Gas in 1889, \$3.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 1,259,883.  
 Candle power, 23.50.  
 Operate Thomas-Houston Electric System, 85 Arc and 500 Alternating Incandescent Lights.

Many Gas Companies have adopted the *Thomson-Houston System*, thus indorsing the combination of Gas and Electric Lighting interests. See advertisement, page x.

**Framingham Gas, Fuel and Power Co., South Framingham.***Middlesex County.*

Capital stock, \$75,000.  
 Total bonds outstanding, \$  
 President, H. S. Jackson.  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population, 11,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output: Works not in operation yet. Construction to commence early in Spring, 1890.  
 Candle power,

**Spencer Gas Co., Spencer.***Worcester County.*

Capital stock, \$85,000.  
 Total bonds outstanding, \$85,000.  
 President, Luther Hill.  
 Treasurer, Richard Sugden.  
 Secretary, Emerson Stone.  
 Purchasing Agent,  
 Superintendent, Edwin Evans.  
 Process of Manufacture, Evans.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 20.  
 Operate Ball Electric System, 65 Arc Lights.

**Springfield Gas Light Co., Springfield.***Hampden County.*

Capital stock, \$500,000.  
 Total bonds outstanding, none.  
 President, William H. Haile.  
 Treasurer, Samuel J. Fowler.  
 Secretary,  
 Purchasing Agent, Samuel J. Fowler.  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 42,000.  
 Price of Gas in 1889,  
 Number of public lamps, 156.  
 Price received for public lamps, \$18.  
 Approximate annual output, 82,000,000.  
 Candle power, 18½.

**Stoughton Light and Power Co., Stoughton.***Norfolk County.*

President, Geo. F. Walker.  
 Treasurer, George H. Drew.  
 Secretary, F. M. Smith.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Petroleum.  
 Population, about 5,000.  
 Price of Gas in 1888, \$6.00.  
 Operate Ball Electric System, 50 Arc Lights.

**Taunton Gas Light Co., Taunton.***Bristol County.*

Capital stock, \$30,000.  
 Total bonds outstanding,  
 President, John E. Sanford.  
 Treasurer, Henry B. Leach.  
 Secretary, Henry B. Leach.  
 Purchasing Agent, Henry B. Leach.  
 Superintendent, Henry B. Leach.  
 Process of Manufacture, Coal.  
 Population, 26,000.  
 Price of Gas in 1889, \$1.50 and \$1.40.  
 Number of public lamps, 123.  
 Price received for public lamps, ¾ cent an hour.  
 Approximate annual output, 30,000,000.  
 Candle power, 20.

**Citizens' Gas Light Co., of Reading, South Reading and Stoneham, Wakefield.***Middlesex County.*

Capital stock, \$95,300.  
 Total bonds outstanding,  
 President, William E. Biddle.  
 Treasurer, Edward E. Proctor.  
 Secretary, none.  
 Purchasing Agent, Edward E. Proctor.  
 Superintendent, B. B. Burbank.  
 Process of Manufacture, Coal.  
 Population, 3 towns, 20,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 79.  
 Price received for public lamps, \$2.50 per M.  
 Approximate annual output, 5,000,000.  
 Candle power, 18.

**Waltham Gas Light Co., Waltham.***Middlesex County.*

Capital stock, \$140,000.  
 Total bonds outstanding, \$20,000.  
 President, Lowell Clark.  
 Treasurer, Geo. A. Stearns.  
 Secretary, Geo. A. Stearns.  
 Purchasing Agent, Geo. A. Stearns.  
 Superintendent, C. F. Spaulding.  
 Process of Manufacture, Coal.  
 Population, 15,000.  
 Price of Gas in 1889, \$2; average, \$1.81.  
 Number of public lamps, 178.  
 Price received for public lamps, 8½c. per night (1 o'clock).  
 Approximate annual output, 26,000,000.  
 Candle power, 17.  
 Operate Thomson-Houston Electric System, 245 Arc and 1,050 Incandescent Lights.

**Ware Gas Light Co., Ware.***Hampshire County.*

Capital stock, owned by the Otis Company.  
 Total bonds outstanding, \$  
 Treasurer,  
 Agent, Edwin H. Baker.  
 Superintendent, Fred'k C. Blood.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, none.  
 Price received for public lamps, \$  
 Approximate annual output, 5,000,000.  
 Candle power, 18 to 19.  
 Operate 180 Thompson-Houston Arc Electric Lamps in mills of the Otis Company.

The *Thomson-Houston Systems* are superior to all others in reliability, economy of operation, and simplicity of construction. See advertisement, page x.



## MASSACHUSETTS.

**Webster Electric Co., Webster.***Worcester County.*

Capital stock, \$45,000.  
 Total bonds outstanding, \$30,000.  
 President, N. T. Hurlbut.  
 Treasurer, John S. Gould.  
 Secretary, John W. Dobbie.  
 Purchasing Agent, John S. Gould.  
 Superintendent, John S. Gould.  
 Process of Manufacture, Coal.  
 Population, 7,500.  
 Price of Gas in 1889, \$2.50.  
 Number of Public Lamps,  
 Price received for public lamps, \$  
 Approximate annual output, 2,000,000.  
 Candle power, 19.  
 Operate Thomson-Houston Arc Electric System, 80, Lights; Thomson Houston and Westinghouse Incandescent, 500 Lights.

**Westfield Gas Light Co., Westfield.***Hampden County.*

Capital stock, \$54,000.  
 Total notes outstanding, \$26,000.  
 President, L. R. Norton.  
 Treasurer, S. J. Fowler.  
 Secretary, S. J. Fowler.  
 Purchasing Agent, S. J. Fowler.  
 Superintendent, S. J. Fowler.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50 to \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 7,000,000.  
 Candle power, 18.  
 Operate Schuyler Arc Electric System, 85 Lights; Thompson-Houston Alternating Incandescent, 325 Lights.

**West Springfield Gas Co., West Springfield.***Hampden County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Geo. L. Wright.  
 Treasurer, J. L. Worthy.  
 Secretary, Thomas B. Warren.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population, 5,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output: Works not in operation yet.  
 Candle power.

**Williamstown Gas Co., Williamstown.***Berkshire County.*

Capital stock, \$20,000.  
 Total bonds outstanding, \$10,000.  
 President, E. P. Dodge.  
 Treasurer, John D. Hendy.  
 Secretary, John D. Hendy.  
 Purchasing Agent, John D. Hendy.  
 Superintendent, C. A. Roebuck.  
 Process of Manufacture, Oil.  
 Population, 3,500.  
 Price of Gas in 1839: Works started Jan., 1890.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 50.

**Woburn Gas Light Co., Woburn.***Middlesex County.*

Capital stock, \$45,100.  
 Total bonds outstanding, \$  
 President, Benj. Hinckly.  
 Treasurer, R. J. Monks.  
 Secretary, R. J. Monks.  
 Purchasing Agent, R. J. Monks.  
 Superintendent, John Gilcreast.  
 Process of Manufacture, Coal.  
 Population, 13,000.  
 Price of Gas in 1889, \$2.00, 10% dis.  
 Number of public lamps, none.  
 Price received from public lamps,  
 Approximate annual output, 8,000,000.  
 Candle power, 17½.

**The Worcester Gas Light Co., Worcester.***Worcester County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$  
 President and General Manager, Chas. Dudley Lamson.  
 Treasurer, Jas. P. Hamilton.  
 Secretary, Jas. P. Hamilton.  
 Purchasing Agent, Charles Dudley Lamson.  
 Superintendent, G. E. Wetherbee.  
 Process of Manufacture, Coal and Lowe.  
 Population, 35,000.  
 Price of Gas in 1889, \$1.80, discount 30 cts.  
 Number of public lamps, 600.  
 Price received for public lamps, \$1.50 per M.  
 Approximate annual output, 112,000,000  
 Candle power, 18.50.

## MICHIGAN.

**Adrian Gas Co., Adrian.***Lenawee County.*

Capital stock, \$7,500.  
 Total bonds outstanding, \$  
 President, J. H. Welston.  
 Treasurer, J. H. Welston.  
 Secretary, J. H. Welston.  
 Purchasing Agent, C. H. Raynor.

Superintendent, C. H. Raynor.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 2.  
 Price received for public lamps, \$2.00 per month.  
 Approximate annual output,  
 Candle power, 20.

In Michigan the Gas Companies in the towns of Hillsdale, Lansing and Port Huron operate the *Thomson-Houston Electric System*. See advertisement, page x.

**Alpena Gas Co., Alpena.**

*Alpena County.*

Capital stock, \$43,000.  
Total bonds outstanding, \$15,000.  
President, W. L. Churchill.  
Treasurer, Geo. Wm. Moore, Detroit, Mich.  
Secretary, Geo. Wm. Moore, Detroit, Mich.  
Purchasing Agent, Peter E. De Mill, Jr., Alpena.  
Superintendent, Peter E. De Mill, Jr., Alpena.  
Process of Manufacture, Coal.  
Population, 14,000.  
Price of Gas in 1889, \$2.50, 10 per cent. disc.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 4,500,000.  
Candle power, 19.

**Ann Arbor Gas Co., Ann Arbor.**

*Washtenaw County.*

Capital stock, \$60,000.  
Total bonds outstanding, \$  
President, Silas H. Douglas  
Treasurer, Henry W. Douglas.  
Secretary, Samuel T. Douglas.  
Purchasing Agent, Henry W. Douglas.  
Superintendent, S. H. Douglas.  
Process of Manufacture, Coal.  
Population, 10,000.  
Price of Gas in 1889, \$2.00 light and \$1.50 fuel.  
Number of public lamps, none.  
Price received for Public lamps,  
Approximate annual output, 11,000,000.  
Candle power, 19 to 20.

**Battle Creek Gas Light Co., Battle Creek.**

*Calhoun County.*

Capital stock, \$65,000.  
Total bonds outstanding, \$  
President, J. M. Ward.  
Treasurer, James Boughton.  
Secretary, James Boughton.  
Purchasing Agent, J. M. Ward.  
Superintendent, James Watts.  
Process of Manufacture, Coal.  
Population, 15,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 8,000,000.  
Candle power, 18.

**Bay City Gas Light Co., Bay City.**

*Bay County.*

Capital stock, \$50,000.  
Total bonds outstanding \$50,000.  
President, James Clements,  
Treasurer, Charles R. Wells.  
Secretary, Charles R. Wells.  
Purchasing Agent, Charles R. Wells.  
Superintendent, Robert Calhoun.  
Process of Manufacture, Coal.  
Population, 30,000.  
Price of Gas in 1889, \$1.60 net.  
Number of public lamps, none.  
Price received for public lamp,  
Approximate annual output, 15,000.  
Candle power, 18.

**Big Rapids Gas Works, Big Rapids.**

*Mecosta County.*

Capital stock, none (private ownership).  
Total bonds outstanding, \$  
President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent, E. Withers.  
Process of Manufacture, Patton.  
Population, 6,000.  
Price of Gas in 1889,  
Number of public lamps, Electric.  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**Charlotte Gas Co., Charlotte.**

*Easton County.*

Capital stock, \$16,600.  
Total bonds outstanding, \$  
President, R. C. Jones.  
Treasurer, F. A. Hooker.  
Secretary, F. A. Hooker.  
Purchasing Agent, F. A. Hooker.  
Superintendent, Wm. Pickill.  
Process of Manufacture, Patton's Petroleum.  
Population, 5,000.  
Price of Gas in 1889,  
Number of public lamps, 38.  
Price received for public lamps, \$25.  
Approximate annual output,  
Candle power, 70.

**Coldwater Gas Light Co., Coldwater.**

*Branch County.*

Capital stock, \$40,000.  
Total bonds outstanding, \$10,000.  
President, N. P. Loveridge.  
Treasurer, D. B. Dennis.  
Secretary, J. G. Parkhurst.  
Purchasing Agent, J. G. Parkhurst  
Superintendent, J. G. Parkhurst.  
Process of Manufacture, Coal  
Population, 6,000.  
Price of Gas in 1889, \$2.50 to \$3.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 3,000,000.  
Candle power, 18.  
Operate Western Arc Electric System, 95 Lights.

**Detroit Gas Light Co., Detroit.**

*Wayne County.*

Capital stock, \$1,000,000.  
Total bonds outstand, none.  
President, Alexander Lewis.  
Treasurer, Jacob S. Farrand.  
Secretary, Chas. A. King.  
Purchasing Agent,  
Superintendent, Isaac C. Baxter.  
Process of Manufacture, Coal.  
Population, 220,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 120,000,000.  
Candle power, 18.

The *Thomson-Houston Street System* is the only complete and perfect system of Street Lighting by Incandescent Lamps. See advertisement, page x.

**Mutual Gas Co., Detroit.**

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$96,000.  
 President, Thomas Dean, New York.  
 Treasurer, W. B. Miller.  
 Secretary, W. B. Miller.  
 Purchasing Agent, E. D. Miller.  
 Superintendent, E. D. Miller.  
 Process of Manufacture, Coal.  
 Population, 200,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 125,000,000.  
 Candle power, 18.

**The East Saginaw Gas Co., East Saginaw.**

*Saginaw County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$  
 President, William L. Webber.  
 Treasurer, George W. Morley.  
 Secretary, Harlan P. Smith.  
 Purchasing Agent, Gustavus A. Hyde, Jr.  
 Superintendent, Gustavus A. Hyde, Jr.  
 Process of Manufacture, Coal.  
 Population (East Saginaw and Saginaw), 55,000.  
 Price of Gas in 1889, \$1.50 to \$1.00 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 31,000,000.  
 Candle power,

**City of Flint Gas Light Co., Flint.**

*Genesee County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, J. W. Begole.  
 Treasurer, Ira H. Wilder.  
 Secretary, G. L. Denham.  
 Purchasing Agent, G. L. Denham.  
 Superintendent,  
 Process of Manufacture, Hanlon-Leadley.  
 Population, 13,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 9,000,000.  
 Candle power, 20.

**Grand Haven Gas Co., Grand Haven.**

*Ottawa County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$  
 President, A. J. Emlaw.  
 Treasurer, G. W. Miller.  
 Secretary, J. J. Danhof.  
 Purchasing Agent, A. J. Emlaw.  
 Superintendent,  
 Process of Manufacture,  
 Population, 7,000,  
 Price of Gas in 1889,  
 Number of public lamps, 41.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 22.

**The Grand Rapids Fuel Gas & Incandescent Lighting Co., Grand Rapids.**

*Kent County.*

Capital stock, \$500,000.  
 Total bonds outstanding, none.  
 President, Wm. Sooy Smith.  
 Treasurer, Wm. D. Talford.  
 Secretary, Fred. S. Clark.  
 Purchasing Agent, C. D. Hauk.  
 Superintendent, none.  
 Process of Manufacture, Evans under Fab-  
 nehjelm patents.  
 Population, 80,000.  
 Price of Gas in 1889, 30c. to 40c.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 20 upward.

**Grand Rapids Gas Light Co., Grand Rapids.**

*Kent County.*

Capital stock, \$400,000.  
 Total bonds outstanding, none.  
 President, Thos. D. Gilbert.  
 Treasurer, H. D. Walbridge.  
 Secretary, H. D. Walbridge.  
 Purchasing Agent, H. D. Walbridge.  
 Superintendent, Wm. S. McCay.  
 Process of Manufacture, Coal.  
 Population, 65,000.  
 Price of Gas in 1889, \$2.00 to \$1.00 net.  
 Number of public lamps, 670.  
 Price received for public lamps, \$12.  
 Approximate annual output, over 100,000,000.  
 Candle power, 19.

**Greenville Gas Works, Greenville.**

Proprietors, Anderson & Foster.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00.  
 Operate Ft. Wayne Electric System, 14 Arc  
 Lights.

**Hillsdale Gas Co., Hillsdale.**

*Hillsdale County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$  
 President, F. W. Stock.  
 Treasurer, F. W. Stock.  
 Secretary, A. D. Stock.  
 Purchasing Agent, A. D. Stock.  
 Superintendent, A. D. Stock.  
 Process of Manufacture, Coal.  
 Population, about 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 7,000,000.  
 Candle power, 22.  
 Operate, Thomson-Houston Arc Electric Sys-  
 tem, 80 Lights; Westinghouse Alternating In-  
 candescent System, 750 lights.

The Portsmouth, N. H., Gas Company says: "Nothing better than the *Thomson-Houston*." See advertisement, page x.



**Ionia Gas Light and Coke Co., Ionia.***Ionia County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, Hon. George W. Webber.  
 Treasurer, Herbert B. Webber.  
 Secretary, Herbert B. Webber.  
 Purchasing Agent, Edward F. Gallagher.  
 Superintendent, Edward F. Gallagher.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, average \$1.60  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, 18.

**Jackson Gas Light Co., Jackson.**

President, David F. Dwight, Detroit.  
 Treasurer, W. M. Eaton.  
 Secretary, Frank D. Bennett.  
 Purchasing Agent, W. M. Eaton.  
 Superintendent, W. M. Eaton.  
 Process of Manufacture, Coal.  
 Population, 25,000.  
 Price of Gas in 1888, \$1.75 to \$1.35.

**Jackson National Gas and Fuel Co., Jackson.***Jackson County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, J. J. Mitchell.  
 Treasurer, C. Buckingham.  
 Secretary, E. H. Randle.  
 Purchasing Agent,  
 Superintendent, W. P. Lane.  
 Process of Manufacture, Evans.  
 Population, 25,000.  
 Price of gas in 1889, 30c.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 100,000,000.  
 Candle power, Fahnehjelm Comb.

**Kalamazoo Gas Light Co., Kalamazoo.***Kalamazoo County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 President, Ira A. Ransom.  
 Treasurer, Ira A. Ransom.  
 Secretary, Edward Woodbury.  
 Purchasing Agent, Ira A. Ransom.  
 Superintendent, Ira A. Ransom.  
 Process of Manufacture, Coal.  
 Population, 22,000.  
 Price of Gas in 1889, \$1.70 to \$1.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Lansing Gas Light Co., Lansing.***Ingham County.*

Capital stock, \$125,000.  
 Total bonds outstanding, none.

President, O. M. Barnes.  
 Treasurer, E. F. Cooley.  
 Secretary, E. F. Cooley.  
 Purchasing Agent, E. F. Cooley.  
 Superintendent, E. F. Cooley.  
 Process of Manufacture, Coal and Lowe (by Springer).  
 Population, 15,000.  
 Price of Gas in 1839, \$1.80 light, \$1.50 fuel.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 12,000,000.  
 Candle power, 20.  
 Operate Thomson-Houston Electric System 150 Arc and 800 Incandescent Lights.

**Luddington Gas Light Co., Luddington.**

President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population, 6,000.  
 Price of Gas in 1889, \$  
 Operate Brush Electric System, 100 Arc Lights.

**Manistee Gas Light and Coke Co., Manistee.***Manistee County.*

Capital stock, \$35,000.  
 Total bonds outstanding, none.  
 President, Louis Sands.  
 Treasurer, A. Magnan.  
 Secretary, A. Magnan.  
 Purchasing Agent, A. Magnan.  
 Superintendent, B. J. Stall.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of gas in 1889, \$2.00, \$5.25, \$2.50.  
 Number of public lamps, 140.  
 Price received for public lamps, \$2.50.  
 Approximate annual output,  
 Candle power,  
 Operate United States Electric System; 432 Incandescent Lights.

**The Marquette Gas Light Co., Marquette.***Marquette County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, Peter White.  
 Treasurer, C. H. Call.  
 Secretary, C. H. Call.  
 Purchasing Agent, C. H. Call.  
 Superintendent,  
 Process of Manufacture, Lowe (by Springer).  
 Population, 10,000.  
 Price of gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 7,000,000.  
 Candle power, 20.

The use of the *Thomson-Houston Arc Dynamo* permits the operation of Arc and Incandescent Lamps upon the same circuit and from the same dynamo. See advertisement, page x.

**The Marshall Light Co., Marshall.***Calhoun County.*

Capital stock, \$45,000.  
 Total bonds outstanding, \$45,000.  
 President, S. T. Bodine.  
 Treasurer, E. C. Lee.  
 Secretary, N. J. Frink, Marshall.  
 Purchasing Agent, C. E. Morgan, Drexel Building, Philadelphia.  
 Superintendent, Arthur G. Fox, Marshall.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 5,000.  
 Price of Gas in 1889, lighting \$1.70, \$1.80 and \$1.90, cooking \$1.50 and \$1.60 net.  
 Number of public lamps, 130.  
 Price received for public lamps \$20.  
 Approximate annual output, 6,000,000.  
 Candle power, 23.

**Monroe Gas Light Co., Monroe City.***Monroe County.*

Capital stock, \$40,000.  
 Total bonds outstanding, none.  
 President, J. M. Sterling.  
 Treasurer, Benjamin Dansord.  
 Secretary, J. C. Sterling.  
 Purchasing Agent, J. C. Sterling.  
 Superintendent, J. M. Sterling.  
 Process of Manufacture, Coal.  
 Population, 6,500.  
 Price of Gas in 1889, \$2, 5% dis.  
 Number of public lamps, 62.  
 Price received for public lamps, \$1.90 per 1,000.  
 Approximate annual output,  
 Candle power, 16.

**Muskegon Gas Light Co., Muskegon City.***Muskegon County.*

Capital stock, \$65,000.  
 Total bonds outstanding, \$.  
 President, L. G. Mason.  
 Treasurer, J. J. Howden.  
 Secretary, James Clements.  
 Purchasing Agent,  
 Superintendent, J. J. Howden.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.25, \$1.40, \$1.60, \$1.80.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 15,000,000.  
 Candle power, 18 to 20.

**Negaunee Gas Light Co., Negaunee.***Marquette County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 President, A. Maitland.  
 Treasurer, M. A. Gibbs.  
 Secretary, M. A. Gibbs.  
 Purchasing Agent, none.  
 Superintendent, none.  
 Process of Manufacture, Crude Petroleum.  
 Population, 6,000.  
 Price of Gas in 1889, \$1.50.

Number of public lamps, 42.  
 Price received for public lamps, \$2.50.  
 Approximate annual output, 1,000,000.  
 Candle power, 60.

**Niles Gas Light Co., Niles.***Berrien County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$7,000.  
 President, W. K. Lacey.  
 Treasurer, Chas. A. Johnson.  
 Secretary, Worth Landon.  
 Purchasing Agent, Worth Landon.  
 Superintendent, J. J. Kirkham.  
 Process of Manufacture, Lowe.  
 Population, 5,000.  
 Price of Gas 1889, \$2.00 lights, \$1.25 fuel.  
 Number of public lamps, 52.  
 Price received for public lamps, \$20.  
 Approximate annual output, 4,000,000.  
 Candle power, 20.

**Owasso Gas Light Co., Owasso.***Shiawassee County.*

Capital stock \$36,000.  
 Total bonds outstanding, \$  
 President, W. M. Kilpatrick.  
 Treasurer, O. F. Webster.  
 Secretary, O. F. Webster.  
 Purchasing Agent, O. F. Webster.  
 Superintendent, O. F. Webster.  
 Process of Manufacture, Hanlon-Leadley.  
 Population, 8,000.  
 Price of Gas 1889, \$2.00 and \$1.50.  
 Number of public lamps, 125.  
 Price received for public lamps, \$15.  
 Approximate annual output, 5,000,000.  
 Candle power, 20 to 24.

**L. R. Medbury Gas Works, Pontiac.***Oakland County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 Owner, Mrs. L. R. Medbury.  
 Treasurer, Mrs. L. R. Medbury.  
 Manager, C. B. Lathrop, Detroit.  
 Purchasing Agent, W. H. Morgan.  
 Superintendent, W. H. Morgan.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$1.75 to \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate output, 900,000.  
 Candle power, 18.

**Port Huron Gas Light Co., Port Huron.***St. Clair County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$15,000.  
 President, Henry Howard.  
 Treasurer, H. G. Barnum.  
 Secretary, Junius E. Beal.  
 Purchasing Agent, Joseph Walker.

The Thomson-Houston System of Incandescent Lighting is superior to all others. See advertisement, page x.

Superintendent, Joseph Walker.  
Process of Manufacture, Coal.  
Population, 14,000.  
Price of Gas in 1889, average, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 7,000,000.  
Candle power, 17.

**Mutual Gas Co., St. Johns.**

*Clinton County.*

Capital stock, \$25,000.  
Total bonds outstanding, none.  
President, R. M. Steel.  
Treasurer, Geo. A. Wells.  
Secretary, Geo. A. Wells.  
Purchasing Agent, Geo. A. Wells.  
Superintendent, Geo. A. Wells.  
Process of Manufacture, Lowe (by Springer).  
Population, 3,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 56.  
Price received for public lamps, \$16.00.  
Approximate annual output, 2,500,000, 1888.  
Candle power,

**Saginaw Gas Light Co., Saginaw.**

*Saginaw County.*

Capital stock, \$65,300.  
Total bonds outstanding, none.  
President, Alex. Swift.  
Treasurer, Alex. Swift.  
Secretary, Chas. Neuendorf.  
Purchasing Agent, Chas. Neuendorf.  
Superintendent, Chas. Neuendorf.  
Process of Manufacture, Coal.  
Population, 20,000.  
Price of Gas in 1889, \$1.80.  
Number of public lamps, none.

Price received for public lamps,  
Approximate annual output, 10,000.  
Candle power, 16.

**The Sturgis Gas and Electric Light Co., Sturgis.**

*St. Joseph County.*

Capital stock, \$18,000.  
Total bonds outstanding.  
President, Henry L. Anthony.  
Treasurer, H. A. Clapp.  
Secretary, H. A. Clapp.  
Purchasing Agent,  
Superintendent, Wm. Grobhisier.  
Process of Manufacture, none made.  
Population, 3,000.  
Price of Gas in 1889,  
Number of public lamps, none.  
Price received for public lamps, none.  
Approximate annual output,  
Candle power,  
Operate Edison Incandescent Electric System,  
600 Lights.

**Ypsilanti Gas Co., Ypsilanti.**

*Washtenaw County.*

Capital stock, \$40,000.  
Total bonds outstanding,  
President, D. L. Quirk.  
Treasurer, C. S. Wortley.  
Secretary, C. S. Wortley.  
Purchasing Agent,  
Superintendent, W. J. Bostwick.  
Process of Manufacture, Coal.  
Population, 7,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 17.

MINNESOTA.

**Duluth Gas and Water Co., Duluth.**

*St. Louis County.*

Capital stock, \$500,000.  
Total bonds outstanding, \$300,000 6/s-750,-  
000 5/s.  
President, R. L. Belknap, 115 Broadway, N. Y.  
Treasurer, R. B. C. Bement, St. Paul, Minn.  
Secretary, George C. Squires, St. Paul, Minn.  
Purchasing Agent, S. M. Cary, V. Pres., and  
Wm. Craig.  
Superintendent, Wm. Craig.  
Process of Manufacture, Flannery & Meeze.  
Population, 50,000.  
Price of Gas in 1889, \$2.50 disc. from 10 to 25%.  
Number of public lamps, none.  
Price received for public lamps, \$28.  
Approximate annual output, 30,000,000.  
Candle power, 25.

**Faribault Gas Light Co., Faribault.**

Lessee, John Nelson.  
Purchasing Agent, A. M. Wilson.  
Superintendent, A. M. Wilson.  
Process of Manufacture, Oil.  
Population, 7,000.

**Fergus Falls Gas and Electric Co., Fergus Falls.**

*Otter Tail County.*

Capital stock, \$115,000.  
Total bonds outstanding, \$  
President, Jas. Campton.  
Treasurer, C. D. Wright.  
Secretary, Andrew Erwin.  
Purchasing Agent, Andrew Erwin.  
Superintendent, Andrew Erwin.

In Minnesota the Gas Companies in the towns of Mankato, St. Cloud and St. Paul operate the *Thomson-Houston Electric System*. See advertisement, page x.



Process of Manufacture, Naphtha.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 40..  
 Price received for public lamps, \$3 per month.  
 Approximate annual output, 2,000,000.  
 Candle power,  
 Operate Heisler Incandescent Electric System,  
 350 Lights.

**Mankato Gas and Electric Light Co., Mankato.**

*Blue Earth County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$  
 President, John F. Meagher.  
 Treasurer, Geo. M. Palmer.  
 Secretary, R. E. Brown.  
 Purchasing Agent,  
 Superintendent, F. L. Watters.  
 Process of Manufacture, Coal and Lowe (by  
 Springer).  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50 with disc.  
 Number of public lamps, 62.  
 Price received for public lamps, \$2.25.  
 Approximate annual output,  
 Candle power,  
 Operate Thomson-Houston Arc Electric System,  
 60 Lights ; Heisler and Thomson-Houston In-  
 candescent System, 1,350 Lights.

**Minneapolis Gas Light Co., Minneapolis.**

*Hennepin County.*

President, Harvey W. Brown.  
 Vice Pres., Alonzo T. Rand.  
 Treasurer, Rufus R. Rand.  
 Secretary, William H. Levings.  
 Superintendent, Fred. C. Shepard.  
 Process of Manufacture, Lowe (by Springer) and  
 Coal.  
 Population, 230,000.  
 Price of Gas in 1889, \$1.80 net.  
 Number of public lamps, 2,840.  
 Price received for public lamps, \$15.63.  
 Approximate annual output,  
 Candle power, 23 to 25.

**The Red Wing Gas and Electric Co., Red Wing.**

*Goodhue County.*

Capital stock, \$65,000.  
 Total bonds outstanding, \$17,000.  
 President, T. B. Sheldon.  
 Treasurer, J. C. Pierce.  
 Secretary, W. H. Putnam.  
 Purchasing Agent,  
 Superintendent, John Nelson.  
 Process of Manufacture, Naphtha.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output,  
 Candle power,  
 Operate Ft. Wayne Arc Electric System, 20  
 Lights ; Westinghouse Alternating Incandes-  
 cent, 450 Lights.

**Rochester Gas Light Co., Rochester.**

*Olmsted County.*

Capital stock, \$  
 Total bonds outstanding, \$

President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population,  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power.

**St. Cloud Gas and Electric Co., St. Cloud.**

*Stearns County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, C. S. Benson.  
 Treasurer, F. E. Searle.  
 Secretary, A. L. Cramb.  
 Purchasing Agent, C. S. Benson.  
 Superintendents, J. A. Niel, Electric, John  
 Davis, Gas.  
 Process of Manufacture, Patton.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 20.  
 Price received for public lamps, \$30.00.  
 Approximate annual output,  
 Candle power.  
 Operate Thomson-Houston Arc Electric Sys-  
 tem, 80 Lights ; Westinghouse Incandescent  
 System, 650 Lights.

**St. Paul Gas Light Co., St. Paul.**

*Hennepin County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Henry H. Sibley.  
 Vice President and Manager, Crawford Living-  
 ston.  
 Secretary and Treasurer, Morgan Brooks.  
 Purchasing Agent,  
 Superintendent, B. F. Ellison.  
 Process of Manufacture, Coal and Lowe (by  
 Springer).  
 Population, 200,000.  
 Price of Gas in 1889, \$2.00 with disc. 5 to 25%.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 22.  
 Operate Thomson-Houston Arc Electric Sys-  
 tem, 700 Lights ; Westinghouse Incandescent  
 System, 4,000 Lights.

**Stillwater Gas and Electric Light Co., Stillwater.**

*Washington County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, Isaac Staples.  
 Treasurer, R. S. Davis.  
 Secretary, R. S. Davis.  
 Purchasing Agent,  
 Superintendent, Nils N. Johnson.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 15,000.  
 Price of Gas in 1889, \$1.90.  
 Number of public lamps,  
 Price received for public lamps,

The *Thomson-Houston Incandescent Dynamo* is automatic in operation under all changes of load. See advertisement, page x.

Approximate annual output, 1,000,000.  
Candle power, 20.  
Operate Excelsior Arc Electric System, 55  
Lights; Westinghouse Incandescent System,  
250 Lights.

**Winona Gas Light Co., Winona.**

*Winona County.*

Capital stock, \$60,000.  
Total bonds outstanding, \$

President and Treasurer, H. W. Lamberton.  
Secretary and Manager, H. C. Bolcom.  
Purchasing Agent,  
Superintendent, Jas. Palmer.  
Process of Manufacture, Coal.  
Population, 22,000.  
Price of Gas in 1889, \$1.50 and \$2.00.  
Number of public lamps, 30.  
Price received for public lamps, \$22.  
Approximate annual output, 12,000,000.  
Candle power, 20.

MISSISSIPPI.

**Columbus Gas Light and Coke Co., Columbus.**

*Louder County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$15,000.  
President, W. H. Sims.  
Treasurer, W. H. Lee.  
Secretary, W. H. Lee.  
Purchasing Agent, George Hickey.  
Superintendent, George Hickey.  
Process of Manufacture, Coal.  
Population, 6,000.  
Price of Gas in 1889, \$3.  
Number of public lamps, 70.  
Price received for public lamps, \$2.25 per month.  
Approximate annual output, 4,450,000.  
Candle power, 19.

**Greenville Gas Light Co., Greenville.**

President,  
Treasurer,  
Secretary,  
Purchasing Agent, H. D. Fitch, Louisville, Ky.  
Superintendent,  
Process of Manufacture,  
Population, 3,500.

**Holly Springs Gas Light Co., Holly Springs.**

President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population,

**Jackson Gas Light Co., Jackson.**

*Hinds County.*

Capital stock, \$60,000.  
Total bonds outstanding, \$23,000.  
President, Judge S. S. Calhoun.  
Treasurer, F. W. Meeds.  
Secretary, F. W. Meeds.  
Purchasing Agent, F. W. Meeds.  
Superintendent,  
Process of Manufacture, Coal.  
Population, 10,000.  
Price of Gas in 1889, \$3 and \$3.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power,  
Operate Ft. Wayne Electric System, 60 Arc and  
100 Incandescent Lights.

**Meridian Gas Co., Meridian.**

*Lauderdale County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.  
President, J. S. Solomon.  
Treasurer, N. L. Fewell.  
Secretary, N. L. Fewell.  
Purchasing Agent, C. C. Broome.  
Superintendent, C. C. Broome.  
Process of Manufacture,  
Population, 15,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 118.  
Price received for public lamps, \$3 per month.  
Approximate annual output,  
Candle power, 16 to 17.

**Natchez Gas Light Co., Natchez.**

*Adams County.*

Capital stock, \$71,150.  
Total bonds outstanding, none.  
President, L. G. Aldrich.  
Treasurer, Britton & Koontz, bankers.  
Secretary,  
Purchasing Agent, L. G. Aldrich.  
Superintendent, J. J. Power.  
Process of Manufacture, Coal.  
Population, 12,000.  
Price of Gas in 1889, \$3.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 6,000,000.  
Candle power,  
Operate Thomson-Houston Electric System, 80  
Arc and — Alternating Incandescent Lights.

**Vicksburg Gas Light Co., Vicksburg.**

*Warren County.*

Operated by the United Gas Imp't Co., Phila.  
Capital stock, \$135,000.  
Total bonds outstanding, \$10,600.  
President, C. K. Marshall.  
Treasurer, E. S. Butts.  
Secretary, W. W. Allein.  
Purchasing Agent, Chas. E. Morgan, Drexel  
Building, Phila.  
Superintendent, T. M. Caughlin.  
Process of Manufacture, Lowe.  
Population, 22,000.  
Price of Gas in 1889, \$3.  
Number of public lamps, none.  
Approximate annual output, 12,350,000.  
Candle power, 22.

In Mississippi the Gas Company in Natches operate *Thomson-Houston Electric System*. See advertisement, page x.

**Boonville Gas Light Co., Boonville.***Cooper County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, W. M. Williams.  
 Treasurer, W. M. Lionberger.  
 Secretary, W. M. Lionberger.  
 Purchasing Agent, W. M. Lionberger.  
 Superintendent, W. M. Lionberger.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50, with discount.  
 Number of public lamps, 45.  
 Price received for public lamps, \$30.  
 Approximate annual output,  
 Candle power,

**Carthage Gas Co., Carthage.***Jasper County.*

Capital Stock, \$  
 Total bonds outstanding,  
 President, H. D. Wood, St. Louis.  
 Treasurer, M. L. Gray, St. Louis.  
 Secretary, M. L. Gray.  
 Purchasing Agent, W. L. Carver, Carthage.  
 Superintendent, W. L. Carver, Carthage.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50  
 Number of public lamps, 67.  
 Price received for public lamps, \$30.  
 Approximate annual output, 4,000,000.  
 Candle power, 18.

**Chillicothe Water Gas and Electric Light Co., Chillicothe.***Livingston County.*

Capital stock, \$  
 Total bonds outstanding,  
 President, A. G. Black.  
 Treasurer, J. W. Maguire.  
 Secretary, J. W. Maguire.  
 Purchasing Agent, Henry G. Seymour.  
 Superintendent, Henry G. Seymour.  
 Process of Manufacture, Jerzimanowski,  
 Population, 8 000 to 9,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Western and Sperry Electric Systems,  
 52 Arc and 86 Incandescent Lights.

**Clinton Gas Coal and Coke Co., Clinton.***Henry County,*

Capital stock, \$50,000.  
 Total bonds outstanding, \$25,000.  
 President, R. C. McBeth.  
 Treasurer, Jas. M. Avery.  
 Secretary, C. L. Roberson.  
 Purchasing Agent, J. T. Marsh.  
 Superintendent, J. T. Marsh.  
 Process of Manufacture, Coal.

Population, 6,000.

Price of Gas in 1889, \$2 to \$2.50.

Number of public lamps, 44.

Price received for public lamps, \$25.

Approximate annual output, 4,000,000.

Candle power, 16.

**Columbia Gas Light and Coke Co., Columbia.***Boone County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, Sylvester Watts.  
 Treasurer, Sylvester Watts.  
 Secretary, Daniel Currie.  
 Purchasing Agent, Daniel Currie.  
 Superintendent, Daniel Currie.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 50.  
 Price received for public lamps, \$25.20.  
 Approximate annual output, 5,000,000.  
 Candle power, 20.

**The Hannibal Gas Co., Hannibal.***Marion County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, Charles Parsons.  
 Treasurer, Horatio D. Wood.  
 Secretary, Horatio D. Wood.  
 Purchasing Agent, Charles J. Lewis.  
 Superintendent, Charles J. Lewis.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of Gas in 1889, \$2.50, with discount.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 18.50.

**Huntsville Gas Light and Heating Co., Huntsville.**

President, W. T. Rutherford.  
 Treasurer, J. A. Heether.  
 Secretary, J. A. Heether.  
 Purchasing Agent, J. A. Heether.  
 Superintendent, J. A. Heether.  
 Process of Manufacture,  
 Population, 2,500.

**Independence Gas and Coke Co., Independence.***Jackson County.*

Capital stock, \$75,000.  
 Total bonds outstanding, none.  
 President, J. P. Alexander.  
 Treasurer, Wm. McCoy.  
 Secretary, C. C. Chiles.  
 Purchasing Agent, Supt. and Directors.  
 Superintendent, R. D. Wirt.  
 Process of Manufacture, Coal.  
 Population, 7,500.  
 Price of Gas in 1889, \$1.75 to \$2.50.  
 Number of public lamps, 54.  
 Price received for public lamps, \$22.50.  
 Approximate annual output, 4,500,000.  
 Candle power, 18 to 20.

In Missouri the Gas Companies in the towns of Louisiana, Nevada, Sedalia and Springfield operate the *Thomson-Houston Electric System*. See advertisement, page x.



**The Jefferson City Light, Heat and Power Co., Jefferson City.***Cole County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$75,000.  
 President, W. W. Wagner.  
 Treasurer, Charles E. Hess.  
 Secretary, Charles E. Hess.  
 Purchasing Agent, Charles E. Hess.  
 Superintendent, Charles E. Hess.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 8,000.  
 Price of Gas in 1889, \$2.50, \$2.25.  
 Number of public lamps, 132.  
 Price received for public lamps, \$17.00.  
 Approximate annual output,  
 Candle power, 22.  
 Operate Excelsior Electric System, 30 Arc  
 Lights.

**Joplin Gas and Coke Co., Joplin.***Jasper County.*

Capital stock, \$30,000.  
 Total bonds outstanding,  
 President, Horatio D. Wood.  
 Treasurer, R. E. Rombauer.  
 Secretary, R. E. Rombauer.  
 Purchasing Agent, J. B. Glover, Jr.  
 Superintendent, J. B. Glover, Jr.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.50, light: \$1.50 cooking.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,500,000.  
 Candle power, 17.

**Kansas City Gas Light and Coke Co., Kansas City.***Jackson County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$60,000.  
 President, M. J. Payne.  
 Treasurer,  
 Secretary, Walter Woolcott.  
 Purchasing Agent, Charles E. Morgan.  
 Superintendent, Arthur G. Glasgow.  
 Process of Manufacture, Lowe.  
 Population, 180,000.  
 Price of Gas in 1889, \$1.60, net.  
 Number of public lamps, 1,400.  
 Price received for public lamps, \$20.  
 Approximate annual output, 225,000,000.  
 Candle power, 20.

**Lexington Gas Light Co., Lexington.***Lafayette County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$8,000.  
 President, A. D. Cressler, F. Wayne, Ind.  
 Treasurer, R. B. Dickey.  
 Secretary, R. B. Dickey.  
 Purchasing Agent, R. B. Dickey.  
 Superintendent, R. B. Dickey.  
 Process of Manufacture, Coal.  
 Population, 5,500.  
 Price of Gas in 1889, \$2.50.  
 Number of Public lamps, 100.  
 Price received for public lamps, \$22.10.  
 Approximate annual output, \$7,000,000.  
 Candle power, 18.

**Carbon Light Co., Louisiana.***Pike County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, John H. Lucas, Kansas City, Mo.  
 Treasurer,  
 Secretary, Wm. T. Johnson, Kansas City, Mo.  
 Purchasing Agent, S. C. Shaffner.  
 Superintendent, S. C. Shaffner.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 45.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power.  
 Operate Thomson-Houston Electric System, 30  
 Arc and 30 Incandescent Lights.

**Marshall Gas Light Co., Marshall.***Saline County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$20,000.  
 President, Jno. Montgomery, Jr.  
 Treasurer, Thos. Boatright.  
 Secretary, Thos. Boatright.  
 Superintendent, Thos. Boatright.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.00 with disc.  
 Number of public lamps, 80.  
 Price received for public lamps, \$22.50.  
 Approximate annual output, 50,000.  
 Candle power, 18.

**Moberly Gas Light Co., Moberly.***Randolph County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$45,000.  
 Receiver, Geo. L. Hassett.  
 President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00 to \$2.50.  
 Number of public lamps, 20.  
 Price received for public lamps, \$2.50 each.  
 Approximate annual output,  
 Candle power,

**Nevada Gas and Electric Light Co., Nevada.***Vernon County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$75,000.  
 President, W. P. Munro.  
 Treasurer, O. K. Caldwell.  
 Secretary, W. H. Robinson.  
 Purchasing Agent, Joseph Harper.  
 Superintendent, Joseph Harper.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2 to \$2.25.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 14,000,000.  
 Candle power.  
 Operate Thomson-Houston Electric System, 65  
 Arc Lights.

The regulation of the *Thomson-Houston Arc Dynamo* is such that the extinguishment of one or more lamps is followed by a corresponding decrease in power required at the dynamo. See advertisement, page x.

**Rich Hill Light, Heat and Power Co., Rich Hill.***Bates County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$25,000.  
 President, Geo. P. Knapp.  
 Treasurer, C. R. Walters.  
 Secretary, C. R. Walters.  
 Purchasing Agent, Thos. Irish.  
 Superintendent, Thos. Irish.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00, disc. to \$1.00.  
 Number of public lamps, 50.  
 Price received for public lamps, \$1.25 per mo.  
 Approximate annual output, 3,995,000.  
 Candle power,

**Sedalia Gas Light Co., Sedalia.***Pettis County.*

Capital stock,  
 Total bonds outstanding,  
 President, Jas. Green.  
 Treasurer, Jas. Green.  
 Secretary, Geo. R. Blackford.  
 Purchasing Agent,  
 Superintendent Jas. Montgomery,  
 Process of Manufacture, Coal.  
 Population, 16,000.  
 Price of Gas in 1889, \$2.00, \$2.25 and \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 12,000,000.  
 Candle power, 22.  
 Operate Thomson-Houston Arc Electric System,  
 190 Lights; Westinghouse Incandescent Sys-  
 tem, 750 Lights,

**Springfield Gas Light Co., Springfield.***Green County.*

Capital stock, \$200,000.  
 Total bonds outstanding,  
 President, E. Henning, Chicago.  
 Treasurer, John Gimper, Springfield.  
 Secretary, J. S. Ambrose, Springfield.  
 Purchasing Agent, John Gimper, Springfield.  
 Superintendent Gas Dept., John Gimper; Elec-  
 tric, H. D. Fox.  
 Process of Manufacture, Coal.  
 Population, 35,000.  
 Price of Gas in 1889, \$1.50 to \$2.50.  
 Number of public lamps, 73.  
 Price received for public lamps, \$30.  
 Approximate annual output, 15,000,000.  
 Candle power, 17.  
 Operate Van Depoele and Thomson-Houston Arc  
 Electric System, 150 Lights; United States  
 Incandescent System, 250 Lights.

**The St. Charles Gas Light and Coal Co., St. Charles.***St. Charles County.*

Capital stock.  
 Total bonds outstanding.  
 President, August Marten.  
 Treasurer, August Marten.  
 Secretary, Theodore Bruere.  
 Purchasing Agent, M. Devine.  
 Superintendent, M. Devine.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$3.00.

Number of public lamps, 96.  
 Price received for public lamps, \$18.  
 Approximate annual output, 5,000,000.  
 Candle power, 22.

**St. Joseph Gas and Manufacturing Co., St. Joseph.***Buchanan County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$150,000.  
 President, Jno. W. Turner.  
 Treasurer, J. H. Farish.  
 Secretary, J. H. Farish.  
 Purchasing Agent, J. H. Farish.  
 Superintendent, K. M. Mitchell.  
 Process of Manufacture, Coal.  
 Population, 75,000.  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps, 897.  
 Price received for public lamps, \$15.00.  
 Approximate annual output, 70,000,000.  
 Candle power, 16½.

**Carondelet Gas Light Co., St. Louis.***St. Louis County.*

Capital stock, \$250,000.  
 Total bonds outstanding, \$25,000.  
 President, Jno. R. Lionberger.  
 Treasurer, Jno. R. Lionberger.  
 Secretary, Henry Ascott.  
 Purchasing Agent, Henry Ascott.  
 Superintendent, Henry Ascott.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 650.  
 Price received for public lamps, \$30.  
 Approximate annual output, 20,000,000.  
 Candle power, 19.

**The Laclede Gas Light Co., St. Louis.***St. Louis County.*

Capital stock, \$2,500,000 preferred; \$7,500,000  
 common.  
 Total bonds outstanding, \$10,000,000.  
 President, Emerson McMillin.  
 Vice-President, J. D. Thompson.  
 Treasurer, George M. Paschall.  
 Secretary, Alex. Ross.  
 Purchasing Agent, J. D. Thompson.  
 Superintendent and Engineer, Frederic Egner.  
 Superintendent Station A., John B. Taylor.  
 Superintendent Station B., Geo. C. Brown.  
 Superintendent Station C. & D., Geo. T. Thompson.  
 Process of Manufacture, Coal.  
 Population, 500,000.  
 Price of Gas in 1889, \$1 to \$1.50.  
 Number of public lamps, 8,000.  
 Price received for public lamps, \$30.  
 Approximate annual output, 1,000,000,000.  
 Candle power, 20.

**St. Louis Gas, Fuel and Power Co., St. Louis.***St. Louis County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$1,000,000.  
 President, Dwight Tredway.  
 Treasurer, James J. Davis.  
 Secretary, James J. Davis.  
 Purchasing Agent, James J. Davis.  
 Superintendent, James J. Davis.  
 Process of Manufacture, Lowe.

Every user of the *Thomson-Houston System* testifies that it has no superior in the market. See advertisement, page x.

Population, 475,000.  
 Price of Gas in 1889, \$1 00.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 60,000,000.  
 Candle power, 20 to 22.

**St. Louis Gas Light Co., St. Louis.***St. Louis County.*

President, W. H. Thompson.  
 Acting Treasurer, Geo. M. Paschall.  
 Secretary, Geo. M. Paschall.  
 Inspector, R. D. Walsh.  
 Superintendent of Works, John B. Taylor.  
 Process of Manufacture, Coal.  
 Population, estimated, 450,000.  
 Price of Gas in 1889, \$1.50.

**Trenton Gas and Electric Light Co., Trenton.***Grundy County.*

Capital stock, \$18,000.  
 Total bonds outstanding, \$9,000.  
 President, J. H. Shanklin.  
 Treasurer, W. E. Austin.  
 Secretary, W. W. Hubbell.  
 Purchasing Agent, John Shinn.  
 Superintendent, John Shinn.  
 Process of Manufacture, Patton (Naphtha).  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 30.  
 Price received for public lamps, \$2.50 per mo.  
 Approximate annual output, no record.  
 Candle power, 80.

## MONTANA.

**Butte Gas Light and Coke Co., Butte City.***Silver Bow County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, A. H. Barret.  
 Treasurer, A. J. Davis.  
 Secretary, A. J. Davis.  
 Purchasing Agent, W. W. Cook.  
 Superintendent, F. F. Irwin.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$3.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 15,600,000.  
 Candle power, 18.

**Great Falls Electric Light and Gas Co., Great Falls.***Cascade County.*

Capital stock, \$50,000.  
 Total bonds outstanding.  
 President, Ira Myers.  
 Treasurer, E. J. Hooker.  
 Secretary, E. J. Hooker.  
 Purchasing Agent, Ira Myers.  
 Superintendent, E. W. King.

## Process of Manufacture.

Population, 3,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate, Thomson-Houston Electric System  
 50 Arc and 650 Incandescent Lights.

**Helena Gas Light and Coke Co., Helena.***Lewis and Clark County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, C. W. Cannon.  
 Treasurer, H. L. Walker.  
 Secretary, H. L. Walker.  
 Purchasing Agent, C. M. Williams.  
 Superintendent, C. M. Williams.  
 Process of Manufacture, Coal.  
 Population, 25,000.  
 Price of Gas in 1889, \$3.00, reduced to \$2.50  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 17,000,000.  
 Candle power, 14 to 18.

## NEBRASKA.

**Beatrice Gas Co., Beatrice.***Gage County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, Albert S. Maxwell.  
 Treasurer, Ed. P. Maxwell.  
 Secretary, Ed. P. Maxwell.  
 Purchasing Agent, Ed. P. Maxwell.  
 Superintendent, Chas. Grassick.  
 Process of Manufacture, Patton.  
 Population, 16,000.  
 Price of Gas in 1889, \$1.25 to \$2.00.  
 Number of public lamps, 27.  
 Price received for public lamps, \$2.50 per month.  
 Approximate annual output,  
 Candle power, 16 to 18.

**Fremont Gas and Electric Light Co., Fremont.***Dodge County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, C. D. Jones, Independence, Ia.  
 Treasurer, S. B. Hovey, Independence, Ia.  
 Secretary, W. De L. Freeman, Fremont, Neb.  
 Purchasing Agent, W. De L. Freeman.  
 Superintendent, George Bayne, Fremont, Neb.  
 Process of Manufacture, Naphtha.  
 Population, 9,000.  
 Price of Gas in 1889, \$1.50 to \$2.25 net.  
 Number of public lamps, 30.  
 Price received for public lamps, \$2.50 per.  
 Approximate annual output,

In Montana the Gas Company in Great Falls operate *Thomson-Houston System*. See advertisement, page x.



Candle power, 16 to 20.  
Operate American Arc Electric System, 35  
lights; Westinghouse Incandescent System,  
400 lights.

### **The Grand Island Gas Co., Grand Island.**

#### *Hall County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, John L. Means.  
Treasurer, Albert S. Maxwell.  
Secretary, Albert S. Maxwell.  
Purchasing Agent, Albert S. Maxwell.  
Superintendent, Charles Grassick.  
Process of Manufacture, Patton.  
Population, 15,000.  
Price of Gas in 1889, \$1.25.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 10,000,000.  
Candle power, over 20.

### **Hastings Gas Light Co., Hastings.**

#### *Adams County.*

Capital stock, \$60,000.  
Total bonds outstanding, \$30,000.  
President, L. Patterson.  
Treasurer, S. R. Patterson.  
Secretary, John Van Liew.  
Purchasing Agent,  
Superintendent, H. A. Patterson.  
Process of Manufacture, Coal.  
Population, 12,000.  
Price of Gas in 1889, \$2.70 to \$2.10.  
Number of public lamps, 27.  
Price received for public lamps, \$2.50 per  
month.  
Approximate annual output, 6,000,000.  
Candle power, 20.

### **Kearney Gas Co., Kearney.**

#### *Buffalo County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$7,000.  
President, Albert S. Maxwell.  
Treasurer, Ed. P. Maxwell.  
Secretary, George L. Maxwell.  
Purchasing Agent, Albert S. Maxwell.  
Superintendent, Fred. Gaylord.  
Process of Manufacture, Patton.  
Population, 10,000.  
Price of Gas in 1889, \$2.00 to \$1.50.  
Number of public lamps.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 18 to 20.

### **Lincoln Gas Co., Lincoln.**

#### *Lancaster County.*

Capital stock, \$325,000.  
Total bonds outstanding, none.  
President, Homan J. Walsh.  
Treasurer, Homan J. Walsh.

Secretary, George M. Walsh.  
Purchasing Agent, J. K. Honeywell.  
Superintendent, William Lawlor.  
Process of Manufacture, Coal and Lowe (by  
Springer)  
Population, 55,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 325.  
Price received for public lamps, \$21.00.  
Approximate annual output 25,000,000.  
Candle power, 20.

### **Nebraska City Gas Light Co., Nebraska City.**

#### *Otoe County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$  
President, E. McMillin.  
Treasurer, C. D. Strong.  
Secretary, Geo. T. Thompson.  
Purchasing Agent,  
Superintendent, C. D. Strong.  
Process of Manufacture, Coal.  
Population, \$12,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 40.  
Price received for public lamps, \$20.00.  
Approximate annual output, 4,500,000.  
Candle power.

### **The Omaha Gas Manufacturing Co., Omaha.**

#### *Douglas County.*

Capital stock, \$500,000.  
Total bonds outstanding, \$300,000.  
President, Frank Murphy.  
Treasurer, Isaac Battin.  
Secretary, George E. Barker.  
Purchasing Agent, Chas. E. Morgan, Drexel  
B'd'g, Phila.  
Superintendent, Isaac Battin.  
Process of Manufacture, Lowe.  
Population, 120,000.  
Price of Gas in 1889, \$2.00, \$1.75, \$1.50.  
Number of public lamps, 772.  
Price received for public lamps, \$25.00.  
Approximate annual output, 150,000,000.  
Candle power, 23 to 25.

### **Plattsmouth Gas and Electric Light Co., Plattsmouth.**

#### *Cass County.*

Capital stock, \$20,000.  
Total bonds outstanding,  
President, J. G. Richers.  
Treasurer, S. B. Howe.  
Secretary, C. D. Jones.  
Purchasing Agent, C. D. Jones.  
Superintendent, J. M. Johns.  
Process of Manufacture, Oil.  
Population, 9,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 67.  
Price received for public lamps, \$2.50 per mo.  
Approximate annual output, 3,600,000.  
Candle power, 16.  
Operate Thomson-Houston Electric System, 15  
Arc and 500 Incandescent Lights.

In Nebraska the Gas Company in Plattsmouth operate *Thomson-Houston Electric System*. See advertisement page x.

**Carson City Coal Gas Co., Carson City.***Ormsby County.*

Capital stock, \$75,000.  
 Total bonds outstanding, none.  
 President, Geo. Tufty.  
 Treasurer, Bullion & Exchange Bank.  
 Secretary, T. J. Edwards.  
 Purchasing Agent, N. Wylie.  
 Superintendent, N. Wylie.  
 Process of Manufacture, Coal.  
 Population, 3,500.  
 Price of Gas in 1889, \$6.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,000,000.  
 Candle power, 17.

**Reno Water, Land and Light Co., Reno.***Washoe County.*

Capital stock, \$300,000.  
 Total bonds outstanding,  
 President, C. C. Powning.  
 Treasurer, Bank of Nevada.  
 Secretary, J. F. Emmitt.  
 Purchasing Agent, C. C. Powning.  
 Superintendent, J. F. Emmitt.  
 Process of Manufacture,  
 Population, 6,000.  
 Price of Gas in 1889, \$4.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 20.

**Virginia City Gas Light Co., Virginia.***Storey County.*

Capital stock,  
 Total bonds outstanding, \$  
 President, Chas. E. Paxton.  
 Treasurer, Chas. E. Paxton.  
 Secretary, M. C. Osborn.  
 Purchasing Agent, M. C. Osborn.  
 Superintendent, M. C. Osborn.  
 Process of Manufacture, Pitch and Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$6.50, discount.  
 Number of public lamps, 37.  
 Price received for public lamps, \$92.00.  
 Approximate annual output, 5,750,000.  
 Candle power, 17.

**Winnemucca Gas Light Co., Winnemucca.***Humboldt County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 Proprietors, Neth & Busch.  
 Process of Manufacture, Oil.  
 Population, 900.  
 Price of Gas in 1889,  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output,  
 Candle power,

**NEW HAMPSHIRE.****Claremont Gas Co., Claremont.***Sullivan County.*

Capital stock owned by Monadnock Mills.  
 Total bonds outstanding,  
 President, D. W. Johnson.  
 Treasurer, F. P. Vogl.  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Oil.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50 and \$2.25.  
 Number of public lamps, 15.  
 Price received for public lamps, \$2.50 per 1,000.  
 Approximate annual output, 2,000,000.  
 Candle power, 24.

**Concord Gas Light Co., Concord.***Merrimack County.*

Capital stock, \$125,000.  
 Total bonds outstanding.  
 President, John Kimball.  
 Treasurer, Edgar H. Woodman.  
 Secretary,  
 Purchasing Agent, E. H. Woodman.  
 Superintendent, William Badger.  
 Process of Manufacture, Coal.  
 Population, 16,000.  
 Price of Gas in 1889, \$1.80 and \$2.00.  
 Number of public lamps, 151.  
 Price received for public lamps, \$18.50.

Approximate annual output, 27,000,000.

Candle power, 17.

Operate Thomson-Houston Electric System, 171  
Arc Lights.**Dover Gas Light Co., Dover.***Strafford County.*

Capital stock, \$75,000.  
 Total bonds outstanding.  
 President, Eli V. Brewster.  
 Treasurer, Thomas B. Garland.  
 Secretary, Thomas B. Garland.  
 Purchasing Agent, Thomas B. Garland.  
 Superintendent, W. T. Sanborn.  
 Process of Manufacture, Oil.  
 Population, 15,000.  
 Price of Gas in 1889, \$1.80.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 13,000,000.  
 Candle power, 21½.

**Exeter Gas Light Co., Exeter.**

President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population, 4,000.

In New Hampshire the Gas Companies in the towns of Keene, Manchester, Nashua and Portsmouth operate the *Thomson-Houston Electric System*. See advertisement, page x.

**The Farmington Gas Light Co., Farmington.***Strafford County.*

Capital stock, \$60,000.  
 Total bonds outstanding, none.  
 President, Hon. J. F. Cloutman.  
 Treasurer, Hon. C. W. Talpey.  
 Secretary, Hon. C. W. Talpey.  
 Purchasing Agent, Hon. E. T. Willson.  
 Superintendent, Joel Smart.  
 Process of Manufacture, Naphtha.  
 Population, 3,500.  
 Price of Gas in 1889, \$6.00, less 10 per cent.  
 Number of public lamps, 35 Gas and 20 Oil.  
 Price received for public lamps, \$700 per year for all.  
 Approximate annual output, 500,000.  
 Candle power,

**Great Falls Gas Light Co., Somersworth.***Strafford County.*

Capital stock, \$47,500.  
 Total bonds outstanding,  
 President, J. Howard Nichols.  
 Treasurer, H. S. Chase.  
 Secretary, H. S. Chase.  
 Purchasing Agent, H. S. Chase.  
 Superintendent, H. S. Chase.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 6,000.  
 Price of Gas in 1889, \$1.50 to \$2.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 22.

**Hanover Gas Light Co., Hanover.***Grafton County.*

Capital stock, \$12,000.  
 Total bonds outstanding.  
 President, J. W. Patterson.  
 Treasurer, Geo. Hitchcock.  
 Secretary, Geo. Hitchcock.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Oil.  
 Population, 1,000.  
 Price of Gas in 1889, \$10.  
 Number of public lamps, 13.  
 Price received for public lamps, \$16.  
 Approximate annual output, 200,000.  
 Candle power,

**Keene Gas Light Co., Keene.***Cheshire County.*

Capital stock, \$36,000.  
 Total bonds outstanding,  
 President, John Henry Elliott.  
 Treasurer, G. M. Rossman.  
 Secretary,  
 Purchasing Agent, G. M. Rossman.  
 Superintendent, G. M. Rossman.  
 Process of Manufacture, Lowe.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 20.  
 Price received for public lamps, \$23.  
 Approximate annual output, 5,000,000.  
 Candle power, 24.  
 Operate Thomson-Houston Electric System, 75  
 Arc Lights.

**Laconia Gas Light Co., Laconia.***Belknap County.*

Capital stock, \$16,100.  
 Total bonds outstanding,  
 President, John C. Moulton.  
 Treasurer, George B. Lane.  
 Secretary, George B. Lane.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population.  
 Price of Gas in 1889, \$4.50.  
 Number of public lamps, 25.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power.

**People's Gas Light Co., Manchester.***Hillsborough County.*

Capital stock,  
 Total bonds outstanding,  
 President, John B. Varick.  
 Treasurer, W. L. Elkins, Jr.  
 Secretary, Walter G. Africa.  
 Purchasing Agent, Walter G. Africa.  
 Superintendent, Walter G. Africa.  
 Process of Manufacture, Coal and Hanlon-  
 Leadley.  
 Population, 45,000.  
 Price of Gas in 1889, \$1.40.  
 Number of public lamps, 100.  
 Price received for public lamps, \$1.40.  
 Approximate annual output.  
 Candle power, 20.  
 Operate Thomson-Houston Electric System, 60  
 Arc Lights.

**Nashua Light, Heat and Power Co., Nashua.***Hillsborough County.*

Capital stock, \$200,000.  
 Total bonds outstanding,  
 President, F. W. Estabrook.  
 Treasurer, A. M. Norton.  
 Secretary, J. H. Tolles.  
 Purchasing Agent,  
 Superintendents: F. H. Norton, Gas; G. L.  
 Sadler, Electric.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of Gas in 1889, \$1.40.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 27,000,000.  
 Candle power, 20.  
 Operate Thomson-Houston Electric System, 250  
 Arc and 1,000 Alternating Incandescent  
 Lights.

**Portsmouth Gas Light Co., Portsmouth.***Rockingham County.*

Capital stock, \$142,000.  
 Total bonds outstanding,  
 President, John Sise.  
 Treasurer, Frank J. Philbrick.  
 Secretary, Frank J. Philbrick.  
 Purchasing Agent, Frank J. Philbrick.  
 Superintendent, Thomas R. Martin.

The *Thomson-Houston Dynamo* for Arc Lighting is automatic in action and economical in operation. See advertisement, page x.



Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.50, 10% disc.  
 Number of public lamps, 30.  
 Price received for public lamps,  $1\frac{1}{2}$  cents per hour.  
 Approximate annual output, 10,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System, 120 Arc and 1,500 Incandescent Lights.

**Salmon Falls Mfg. Co., Rollinsford.**

President, Wm G. Meames.  
 Treasurer, Geo. H. Edwards.  
 Secretary, Geo. H. Edwards.  
 Purchasing Agent, Geo. H. Edwards.  
 Agent, O. S. Brown.  
 Process of Manufacture, Crude Oil.  
 Population, 1,700.  
 Price of Gas in 1889,

## NEW JERSEY.

**Arlington Gas Light Co., Arlington.**

President, J. W. Edwards.  
 Treasurer, J. Q. Stearns.  
 Secretary, W. L. Stewart.  
 Superintendent, S. D. Smith.  
 Process of Manufacture, Smith and Goldthorp.  
 Population, 1,000.

**Asbury Park Gas Co., Asbury Park.***Monmouth County.*

Capital stock, \$150,000.  
 Total bonds outstanding, \$75,000, only \$33,000 issued.  
 President, George H. Fletcher.  
 Treasurer, George H. Fletcher.  
 Secretary, James W. Hodges.  
 Purchasing Agent, Geo. H. Fletcher.  
 Superintendent, James W. Hodges.  
 Process of Manufacture, Hodges Water Gas.  
 Population, 3500.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 8,500,000.  
 Candle power, 28.

**Atlantic City Gas and Water Co., Atlantic City.***Atlantic County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$  
 President, Joseph A. Barstow.  
 Treasurer, Charles Evans.  
 Secretary, Dr. Thomas K. Reed.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Lowe (by Granger).  
 Population, Winter, 12,000; Summer, 50,000 to 100,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 230.  
 Price received for public lamps, \$18.  
 Approximate annual output, 30,000,000.  
 Candle power, 20 to 22.  
 Operate Thomson-Houston Electric System, 200 Arc Lights.

**Bayonne and Greenville Gas Light Co., Bayonne City.**

(Operated by the U. G. I. Co.)

*Hudson County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Solon Humphreys.  
 Treasurer,  
 Secretary, W. W. Dashiell.

Purchasing agent, C. E. Morgan  
 Superintendent, W. H. Smith.  
 Process of Manufacture, Lowe.  
 Population, 20,000.  
 Price of Gas in 1889, \$2.00, with disc.  
 Number of public lamps, 629.  
 Price received for public lamps, \$20,00.  
 Approximate annual output, 3,000,000.  
 Candle power, 22.

**Belvidere Gas and Electric Light Co., Belvidere.**

President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population, 2,000.  
 Price of Gas in 1889,  
 Operate Schuyler Electric System.

**Bordentown Gas Light Co., Bordentown.***Burlington County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Mahlon Hutchinson.  
 Treasurer, Newton M. Potts.  
 Secretary, Newton M. Potts.  
 Purchasing Agent, J. O. Hudson.  
 Superintendent, J. O. Hudson.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.20 to \$2.00.  
 Number of public lamps, 50.  
 Price received for public lamps, \$18.  
 Approximate annual output, 3,250,000.  
 Candle power, 18 to 20.

**Burlington Gas Light Co., Burlington.***Burlington County.*

Capital stock, \$55,000.  
 Total bonds outstanding, \$  
 President, Richard F. Mott.  
 Treasurer, Joshua Taylor.  
 Secretary, F. C. Woolman.  
 Purchasing Agent, Edw. Morris.  
 Superintendent, Edw. Morris.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps: Not lighted by gas.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

In New Jersey the Gas Companies in the towns of Atlantic City, Long Branch and Woodbury operate the *Thomson-Houston Electric System*. See advertisement, page x.

**Montclair Gas and Water Co., Bloomfield.***Essex County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, J. J. H. Love.  
 Treasurer, Wm. H. Baldwin.  
 Secretary, Wm. H. Baldwin.  
 Purchasing Agent,  
 Superintendent, John Cansbrook.  
 Process of Manufacture,  
 Population.  
 Price of Gas in 1889, \$  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**The Bridgeton Gas Light Co., Bridgeton.***Cumberland County.*

Capital stock, \$31,000.  
 Total bonds outstanding, none.  
 President, Jonathan Elmer.  
 Treasurer, B. F. Harding.  
 Secretary, Wm. C. Mulford.  
 Purchasing Agent, B. F. Harding.  
 Superintendent, B. F. Harding.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$1.50 to \$1.20.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 12,000,000.  
 Candle power, 17.

**Cape Island Gas Company, Cape May***Cape May County.*

Capital stock, \$80,000.  
 Total bonds outstanding, \$  
 President, Thos. M. Ferrell.  
 Treasurer, F. J. Melvin.  
 Secretary, S. W. Van Syckel.  
 Purchasing Agent,  
 Superintendent, F. J. Melvin.  
 Process of Manufacture, Lowe.  
 Population, 2,000.  
 Price of Gas in 1889, \$2.75.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, average 22.

**Camden Gas Light Co., Camden.***Camden County.*

Capital stock, \$300,000.  
 Total bonds outstanding,  
 President, B. F. Archer.  
 Treasurer, Chas. Watson.  
 Secretary, Chas. Watson.  
 Purchasing Agent, Chas. Watson.  
 Superintendent, W. G. Hafty.  
 Process of Manufacturer, Coal.  
 Population,  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 300.  
 Price received for public lamps, \$19.80.  
 Approximate annual output,  
 Candle power, 20.

**Elizabethtown Gas Light Co., Elizabeth.***Union County.*

Capital stock, \$300,000.  
 Total bonds outstanding,  
 President, John Kean, Jr.  
 Treasurer, Julian H. Kean.  
 Secretary, Frederic A. Price.  
 Purchasing Agent,  
 Superintendent, Francis Engel.  
 Process of Manufacture, Coal.  
 Population, 33,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, 500.  
 Price received for public lamps, \$13.50  
 Approximate annual output,  
 Candle power, 18.

**Metropolitan Gas Light Co., Elizabeth.***Union County.*

Capital stock, \$350,000.  
 Total bonds outstanding, \$350,000.  
 President, Charles G. Francklyn.  
 Treasurer, Wm. M. Oliver.  
 Secretary, Wm. F. Van Pelt,  
 Purchasing Agent,  
 Superintendent, Henry Mactier.  
 Process of Manufacture, Meeze.  
 Population, 40,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 20.

**Bergen Co. Gas Light Co., Englewood.***Bergen County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, H. W. Banks.  
 Treasurer, B. Drake Smith.  
 Secretary, B. Drake Smith.  
 Purchasing Agent, S. F. Gold.  
 Superintendent, Samuel F. Gold.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,000,000  
 Candle power, 22.

**Flemington Gas Light Co., Flemington.***Hunterdon County.*

Capital stock, \$10,000.  
 Total bonds outstanding, \$  
 President, John B. Hopewell.  
 Treasurer, C. C. Dunham.  
 Secretary, C. C. Dunham.  
 Purchasing Agent, John B. Hopewell.  
 Superintendent, John B. Hopewell.  
 Process of Manufacture, Naphtha.  
 Population, 2,000.  
 Price of Gas in 1889, \$2.50 to \$3.00.  
 Number of public lamps, 40.  
 Price received for public lamps, \$12.  
 Approximate annual output,  
 Candle power, 20.

The *Thomson-Houston Incandescent Lamps* have, under repeated tests, burned two or three times their guaranteed life without any blackening of the bulb or diminution of the candle power. See advertisement, page x.

**The Freehold Gas Light Co., Freehold.***Monmouth County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$10,000.  
 President, Charles A. Bennett.  
 Treasurer, Charles A. Bennett.  
 Secretary, Charles A. Bennett.  
 Purchasing Agent, Charles A. Bennett, Jr.  
 Manager, Charles A. Bennett, Jr.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$2.90.  
 Number of public lamps, 77.  
 Price received for public lamps, \$19.20.  
 Approximate annual output, 2,000,000.  
 Candle power, 18.  
 Operate Edison Electric System, 400 Incandescent Lights.

**Gloucester City Gas Light Co., Gloucester City.***Camden County.*

Capital stock, \$60,000.  
 Total bonds outstanding,  
 President, Samuel R. Shipley.  
 Treasurer, Henry B. Chew.  
 Secretary, James P. Michellon.  
 Purchasing Agent, Henry B. Chew.  
 Superintendent, Henry B. Chew.  
 Process of Manufacture, Lowe.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Hackensack Gas Light Co., Hackensack.**

President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population, 5,000.

**Hudson County Gas Light Co., City of Hoboken.***Hudson County.*

Capital stock, \$  
 Total bonds outstanding,  
 President, S. B. Dod.  
 Treasurer, S. B. Dod.  
 Secretary, John Stevens.  
 Purchasing Agent,  
 Superintendent, C. B. Seward.  
 Process of Manufacture,  
 Population,  
 Price of Gas in 1889, \$2.00 and special rates.  
 Number of public lamps, 88.  
 Price received for public lamps, \$17.50.  
 Approximate annual output,  
 Candle power, 27.

**Consumers Gas Co., Jersey City.***Hudson County.*

Capital stock, \$2,000,000.  
 Total bonds outstanding, \$600,000.  
 President, Chas. Place.  
 Treasurer, Chas. Place.  
 Secretary, R. W. Elliott.  
 Purchasing Agent, Chas. E. Morgan.  
 Agent, R. W. Elliott.

Superintendents, J. M. Rusby, of Manf'g; J. E. Nute of Distribution.

Process of Manufacture, Lowe.

Population, 170,000.

Price of Gas in 1889, \$1.75.

Number of public lamps, 2,342.

Price received for public lamps, \$18.00 and \$19.50.

Approximate annual output, 290,000,000 including Jersey City Gas Light Co., and Peoples Gas Light Co.

Candle power, 25.

**Jersey City Gas Light Co., Jersey City.***Hudson County.*

Capital stock, \$750,000.

Total bonds outstanding, \$

President, Thos. Earle.

Treasurer, Freeman A. Smith.

Secretary, Freeman A. Smith.

Purchasing Agent, Chas. E. Morgan.

Agent, R. W. Elliott.

Superintendents, J. M. Rusby of Manf'g; J. E. Nute of Distribution.

Process of Manufacture, Lowe.

Population, 170,000.

Price of Gas in 1889, \$1.75.

Number of public lamps, 2,342.

Price received for public lamps, \$18.00 and \$19.50.

Approximate annual output, included in Consumers Gas Co.

Candle power, 25.

**People's Gas Light Co., Jersey City.***Hudson County.*

Capital stock, \$550,000.

Total bonds outstanding, \$41,000.

President, I. Morris Perot.

Treasurer, Edwin R. Case.

Secretary, Edwin R. Case.

Purchasing Agent, Chas. E. Morgan.

Agent, R. W. Elliott.

Superintendents, J. M. Rusby, of Manufacturing, and J. E. Nute, of Distribution.

Process of Manufacture, Lowe.

Population, 170,000.

Price of Gas in 1889, \$1.75.

Number of public lamps, 2,342.

Price received for public lamps, \$18.00 and \$19.50.

Approximate annual output, included in Consumers' Co.

Candle power, 25.

**Lambertville Gas Light Co., Lambertville.***Hunterdon County.*

Capital stock, \$30,000.

Total bonds outstanding, \$4,000.

President, James S. Studdiford.

Treasurer, Wm. V. Cooley.

Secretary, Gustav Lambert.

Purchasing Agent, A. C. Gauday.

Superintendent, A. C. Gauday.

Process of Manufacture, Coal.

Population, 4,500.

Price of Gas in 1889, \$2.25.

Number of public lamps, 60.

Price received for public lamps,

Approximate annual output, between 3,000,000 and 4,000,000.

Candle power, 18.

The same characteristics of excellence are maintained in all the details as shown in the *Thomson-Houston Dynamo*. See advertisement, page x.



**Long Branch Gas Light Co., Long Branch.***Monmouth County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$66,000.  
 President, Harrison E. Gawtry.  
 Treasurer, George N. Curtis.  
 Secretary, C. Henry Irwin.  
 Purchasing Agents, H. E. Gawtry and C. Henry Irwin.  
 Superintendent, Charles J. Luther.  
 Process of Manufacture, Lowe.  
 Population, 4,500.  
 Price of Gas in 1889, \$1.85.  
 Number of public lamps, 22.  
 Price received for public lamps, \$9.50.  
 Approximate annual output,  
 Candle power,  
 Operate Thomson and Houston Electric System, 100 Arc Lights; Incandescent System,  
 — Lights.

**Matawan and Keyport Gas Light Co., Matawan and Keyport.***Monmouth County.*

Capital stock, \$45,000.  
 Total bonds outstanding, \$3,000.  
 President, T. S. R. Brown.  
 Treasurer, J. H. Horner.  
 Secretary, J. H. Horner.  
 Purchasing Agent, J. H. Horner.  
 Superintendent, J. H. Horner.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, 66.  
 Price received for public lamps, \$15.  
 Approximate annual output, 1,800,000.  
 Candle power, "don't know."

**Millville Gas Light Co., Millville.***Cumberland County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$  
 President, Francis Reeves.  
 Treasurer, Walter Wood.  
 Secretary,  
 Purchasing Agent,  
 Superintendent, Reuben Meredith.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00 less discounts.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, 16.

**Morristown Gas Light Co., Morristown.***Morris County.*

Capital stock, \$40,000.  
 Total bonds outstanding, none.  
 President, Henry W. Miller.  
 Treasurer, Edward Pierson.  
 Secretary, Edward Pierson.  
 Purchasing Agent, Edward Pierson.  
 Superintendent, Wm. B. Durfee.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 12,000,000.  
 Candle power, 18.

**Mount Holly Gas Light Co., Mount Holly.***Burlington County.*

Capital stock, \$20,000.  
 Total bonds outstanding, \$7,900.  
 President, Wm. Budd Deacon.  
 Treasurer, Henry C. Risdon.  
 Secretary, Henry C. Risdon.  
 Purchasing Agent, John Semple.  
 Superintendent, John Semple.  
 Process of Manufacture, Coal.  
 Population, about 6,000.  
 Price of Gas in 1889, \$2.25, 6% off.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 2,400,000.  
 Candle power, 18 to 22.

**East Newark Gas Light Co., Harrison.***Hudson County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$50,000.  
 President, Edward H. Wright.  
 Treasurer, John I. Young.  
 Secretary, Eugene Vanderpool.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 16,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 119.  
 Price received for public lamps, \$20.00.  
 Approximate annual output,  
 Candle power, 20.

**The Citizens' Gas Light Co. of Newark.***Essex County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$  
 President, Andrew A. Smalley.  
 Treasurer, Robt. B. Hathorn.  
 Secretary, Clarence L. Nelson.  
 Purchasing Agent, Andrew A. Smalley.  
 Superintendent, Alex. H. Strecker.  
 Process of Manufacture, Coal.  
 Population, 170,000.  
 Price of Gas in 1889, \$1.60, less 10%.  
 Number of public lamps, 3,400.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 180,000,000.  
 Candle power, 18.

**Newark Gas Light Co., Newark.***Essex County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding, none.  
 President, Eugene Vanderpool.  
 Treasurer, John I. Young.  
 Secretary, James P. Dusenberry.  
 Purchasing Agent,  
 Superintendent, B. J. Allen.  
 Process of Manufacture, Coal.  
 Population, 180,000.  
 Price of Gas in 1889, \$1.40.  
 Number of public lamps, 2,300.  
 Price received for public lamps, \$19.00.  
 Approximate annual output,  
 Candle power, 20.

The *Thomson-Houston Arc Lamps* burn with absolute quietness and freedom from hissing and are perfectly self adjusting. See advertisement, page x.

**The Gas Light Co. of the City of New Brunswick,  
New Brunswick.***Middlesex County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.  
President, Henry Richmond.  
Treasurer, Joseph R. Palmer.  
Secretary, John W. Newell.  
Purchasing Agent, John W. Newell.  
Superintendent, John W. Newell.  
Process of Manufacture, Lowe.  
Population,  
Price of Gas in 1889,  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power, 24.

**Newton Gas Light Co., Newton.***Sussex County.*

Capital stock, \$30,000.  
Total bonds outstanding, none.  
President, Alfred F. Fellows.  
Treasurer, Francis J. Swayze.  
Secretary, Francis J. Swayze.  
Purchasing Agent,  
Superintendent, Franklin Smith, Jr.  
Process of Manufacture, Coal.  
Population, 3,000.  
Price of Gas in 1889, \$3.00, \$2.50.  
Number of public lamps, 32.  
Price received for public lamps, \$1.60 per month.  
Approximate annual output, 2,000,000.  
Candle power,

**Passaic City Gas Light Co., Passaic.**

President, John A. Willett.  
Treasurer, A. W. Shaw.  
Secretary, James A. Norton.  
Purchasing Agents, President and Secretary.  
Superintendent, Frank Jones.  
Process of Manufacture, Lowe (by Hanlon-Ledley).  
Population, about 10,000.  
Price of Gas in 1888, \$2.00.

**Paterson Gas Light Co., Paterson.***Passaic County.*

(Operated by the United Gas Impt. Co., Phila.)

Capital stock, \$275,000.  
Total bonds outstanding, \$55,000.  
President, John Reynolds.  
Treasurer, John Reynolds.  
Secretary, Robt. Schoonmaker.  
Purchasing Agent, C. E. Morgan, Phila.  
Superintendent, W. L. Williams.  
Process of Manufacture, Lowe.  
Population, 8,500.  
Price of Gas in 1889, \$2.00 with discount.  
Number of public lamps, 400.  
Price received for public lamps, \$22.50.  
Approximate annual output, 97,000,000 (this includes Peoples' Gas Light Co.).  
Candle power, 23.18.

**Peoples' Gas Light Co., Paterson.***Passaic County.*

(Operated by the United Gas Impt. Co., Phila.)

Capital stock, \$200,000.  
Total bonds outstanding, \$  
President, James Bell.  
Treasurer, H. G. Runkle.  
Secretary, H. G. Runkle.  
Purchasing Agent, E. C. Morgan, Phila.  
Superintendent, W. L. Williams.  
Process of Manufacture, Lowe.  
Population, estimated 80,000 to 85,000.  
Price of Gas in 1889, \$2.00, less discount.  
Number of public lamps, 400.  
Price received for public lamps, \$22.50.  
Approximate annual output, 97,000,000 (this includes Paterson Gas Light Co.).  
Candle power, 23.18.

**Perth Amboy Gas Light Co., Perth Amboy.***Middlesex County.*

Capital stock, \$65,000.  
Total bonds outstanding, \$  
President, Wm. Hall.  
Treasurer, Wm. Hall.  
Secretary, Milton A. Brown.  
Purchasing Agent, Milton A. Brown.  
Superintendent, Milton A. Brown.  
Process of Manufacture, Coal.  
Population, 6,500.  
Price of Gas in 1889, \$2.25.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 3,650,000.  
Candle power, 16.

**The Warren County Gas Light Co., Phillipsburg.***Warren County.*

Capital stock, \$25,000.  
Total bonds outstanding, \$  
President, John Franks.  
Treasurer, David Mixsell.  
Secretary, David Mixsell.  
Purchasing Agent,  
Superintendent, Valentine Weaver.  
Process of Manufacture, Coal and Oil.  
Population, 8,000.  
Price of Gas in 1889, to Sept. 1, \$1.80 net ;  
since, \$1.50 net.  
Number of public lamps, 59.  
Price received for public lamps, \$1.50 per 1,000.  
Approximate annual output, 3,600,000 feet.  
Candle power, standard.

**Plainfield Gas Light Co., Plainfield.***Union County.*

Capital stock, \$100,000.  
Total bonds outstanding, \$  
President, E. R. Pope.  
Treasurer, H. G. Runkle.  
Secretary, P. Brunson.  
Purchasing Agent, H. G. Runkle.  
Superintendent, H. G. Runkle.  
Process of Manufacture, Lowe.  
Population, 12,000.  
Price of Gas in 1889, \$2.25.  
Number of public lamps, none.  
Price received for public lamps,  
Candle power, 22.

The problem of long distance Incandescent Lighting is successfully solved by the *Thomson-Houston Transformer System*. See advertisement, page x.

**The Princeton Gas Light Co., Princeton.***Mercer County.*

Capital stock, \$500,000.  
 Total bonds outstanding, none.  
 President, J. Stillwell Schenck.  
 Treasurer, Crowell Marsh.  
 Secretary, Crowell Marsh.  
 Purchasing Agent, Crowell Marsh.  
 Superintendent, Ignatz Hoff.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$2.70 net.  
 Number of public lamps, 112.  
 Price received for public lamps : Lump contract.  
 Approximate annual output, 8,000,000.  
 Candle power, 17.

**The Rahway Gas Light Co., Rahway.***Union County.*

Capital stock, \$116,000.  
 Total bonds outstanding, none.  
 President, J. R. Shotwell.  
 Treasurer, J. R. Shotwell.  
 Secretary, R. B. Vail.  
 Purchasing Agent, none.  
 Superintendent, R. B. Vail.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 7,500,000.  
 Candle power, 16.

**The Red Bank Gas Light Co., Red Bank.***Monmouth County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$7,000, at 5%.  
 President, Joseph A. Throckmorton.  
 Treasurer, John S. S. Applegate.  
 Secretary, Frederick W. Hope.  
 Purchasing Agent, Treasurer and Secretary.  
 Superintendent, John Hubbard.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Salem Gas Light Co., Salem.***Salem County.*

Capital stock, \$30,000.  
 Total bonds outstanding, none.  
 President, M. P. Grey.  
 Treasurer, W. G. Tyler.  
 Secretary, F. M. Acton.  
 Purchasing Agent, President and Treasurer.  
 Superintendent, Samuel Scott,  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$1.80.  
 Number of public lamps, 65.  
 Price received for public lamps, \$1.50 per 1000.  
 Approximate annual output, 5 to 6,000,000.  
 Candle power, 18.

**Sea Isle City Gas, Water and Sewerage Co., Sea Island City.***Cape May County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, John Schwinghammer.  
 Treasurer, Chas. Barton.  
 Secretary, F. F. Hogate.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population,  
 Price of Gas in 1889,  
 Number of public lamps.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Edison Incandescent Electric System.  
 2,000 Lights.

**Somerville Gas Light Co., Somerville.***Somerset County.*

Capital stock, none.  
 Total bonds outstanding, none.  
 Sole owner, J. T. Sawyer.  
 Treasurer, F. Vanderveer.  
 Secretary, F. Vanderveer.  
 Purchasing Agent, F. Vanderveer.  
 Superintendent, F. Vanderveer,  
 Process of Manufacture,  
 Population, Somerville and Raritan, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 88.  
 Price received for public lamps, \$15.00.  
 Approximate annual output, 3,500,000.  
 Candle power, average 22.

**City Gas Light Co., Trenton.***Mercer County.*

This Company is merged into the Trenton Gas Light Co. and the works constitute the Water Gas Station of the Trenton Gas Light Co.

**Trenton Gas Light Co., Trenton.***Mercer County.*

Capital stock, \$358,280  
 Total bonds outstanding, none.  
 President, Lewis Parker.  
 Treasurer, John S. Chambers.  
 Secretary, John S. Chambers.  
 Purchasing Agent, John S. Chambers.  
 Superintendent of Manuf., Samuel L. Carlisle;  
 of Distrib., Patrick Burns.  
 Process of Manufacture, Coal and Lowe.  
 Population, say 50,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 286.  
 Price received for public lamps, \$25.  
 Approximate annual output, 55,000,000.  
 Candle power.

**Vineland Gas Works, Vineland.***Cumberland County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 Proprietor, J. R. Farnum.  
 Secretary,  
 Purchasing Agent,

In no case where the *Thomson-Houston Electric Company* competed for honors has it failed to receive the highest award. See advertisement, page x.



Superintendent, Fred. Barnes.  
 Process of Manufacture, Coal.  
 Population, 3,500 to 4,000.  
 Price of Gas in 1889, \$2.75 to \$2.00.  
 Number of public lamps, 40.  
 Price received for public lamps, \$1.00 per month each.  
 Approximate annual output, 3,000,000.  
 Candle power, 18.

**Consumers Gas Co., Woodbury.**

*Gloucester County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$

President, Dr. H. C. Clark.  
 Treasurer, C. W. Starr.  
 Secretary, C. W. Starr.  
 Purchasing Agent, Geo. W. Curtis.  
 Superintendent, Geo. W. Curtis.  
 Process of Manufacture, Hanlon-Leadly.  
 Population, 4,500.  
 Price of Gas in 1889, \$1.90 with discount.  
 Number of public lamps, 18.  
 Price received for public lamps, \$15.  
 Approximate annual output, 4,000,000.  
 Candle power, 24.  
 Operate Thomson-Houston Electric System, 46 Arc Lights.

## NEW MEXICO.

**Albuquerque Gas Co., Albuquerque.**

*Bernalillo County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$40,000.  
 President, Jno. L. Schoolcraft.  
 Treasurer,  
 Secretary, W. L. Corbin.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 4,500.  
 Price of Gas in 1889, \$3.50 to \$2.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 7,000,000.  
 Candle power,

Purchasing Agent, Jacob Gross.  
 Superintendent, M. S. Hart.  
 Process of Manufacture, Coal.  
 Population, 7,500.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 37.  
 Price received for public lamps, \$42.  
 Approximate annual output, 7,000,000.  
 Candle power, 18.

**Santa Fe Gas Co., Santa Fe.**

*Santa Fe County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, Abraham Staab.  
 Treasurer, Rufus J. Palen.  
 Secretary, Charles L. Bishop.  
 Purchasing Agent, Thomas Littlehales.  
 Superintendent, Thomas Littlehales.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$3.00 light, \$3.00 fuel.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, 17.

**The Las Vegas Gas and Coke Co., Las Vegas.**

*San Miguel County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, Jacob Gross.  
 Treasurer, Emanuel Rosenwald.  
 Secretary, M. S. Hart.

## NEW YORK.

**East Albany Gas Light Co., Albany.**

*Albany County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, F. A. Sabbaton.  
 Treasurer, Paul A. Sabbaton.  
 Secretary, Paul A. Sabbaton.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture,  
 Population, 100,000.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Price of Gas in 1889,  
 Approximate annual output,  
 Candle power,

President, Anthony N. Brady.  
 Treasurer, John E. McElroy.  
 Secretary, John E. McElroy.  
 Purchasing Agent, Walter A. Allen.  
 Superintendent, Walter A. Allen.  
 Process of Manufacture, Lowe (by Springer)  
 Population, 100,000.  
 Price of Gas in 1889, \$2.00.  
 Candle power,

**Albion Gas Light Co., Albion.**

*Orleans County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$5,000.  
 President, Robert Campbell.  
 Treasurer, E. T. Coann.  
 Secretary, E. T. Coann.  
 Purchasing Agent, E. T. Coann.  
 Superintendent, E. T. Coann.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.00.

**Municipal Gas Co., Albany.**

*Albany County.*

Capital stock, \$1,500,000.  
 Total bonds outstanding, \$500,000.

In New York the Gas Companies in the towns of Brockport, Canandaigua, Cohoes, Fort Plain, Hempstead, Hudson, New Rochelle, Oneonta, Oswego, Rome, Tarrytown, Utica and White Plains operate the *Thomson-Houston Electric System*. See advertisement, page x.

Number of public lamps, 62.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 2,000,000.  
 Candle power, 20.

**Chuctanunda Gas Light Co., Amsterdam.**

*Montgomery County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, Hon. S. Sanford.  
 Treasurer, D. D. Cassidy.  
 Secretary, D. W. Shuler.  
 Purchasing Agent, James H. Ward.  
 Superintendent, James H. Ward.  
 Process of Manufacture, Coal.  
 Population, 22,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 16,000,000.  
 Candle power, 20.

**The Attica Water Co., Attica.**

*Wyoming County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$40,000.  
 President, Chas. E. Loomis.  
 Treasurer, Geo. T. Loomis.  
 Secretary, Geo. T. Loomis.  
 Purchasing Agent, Geo. T. Loomis.  
 Superintendent, Geo. T. Loomis.  
 Process of Manufacture, Lowe.  
 Population, 2,500.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 27.  
 Price received for public lamps, \$17.00.  
 Approximate annual output,  
 Candle power,

**Auburn Gas Light Co., Auburn.**

*Cayuga County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, E. H. Avery.  
 Treasurer, D. M. Dunning.  
 Secretary, D. M. Dunning.  
 Purchasing Agent, D. M. Dunning.  
 Superintendent, D. M. Dunning.  
 Process of Manufacture, Coal.  
 Population, 25,000.  
 Price of Gas in 1889, \$1.00 to \$1.80.  
 Number of public lamps, 700.  
 Price received for public lamps, \$12.00.  
 Approximate annual output, 35,000,000.  
 Candle power, 20.

**The Batavia Gas Light Co., Batavia.**

*Genesee County.*

Capital stock, \$32,500.  
 Total bonds outstanding, \$7,000.  
 President, S. D. Purdy.  
 Treasurer, Chas. H. Caldwell.  
 Secretary, Chas. A. Caldwell.  
 Purchasing Agent, Wilber Smith.  
 Superintendent, Alex. Wyness, Jr.  
 Process of Manufacture, Lowe (by McKay-Critchelow).  
 Population, 9,000.  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps,

Price received for public lamps.  
 Approximate annual output,  
 Candle power, 25.  
 Operate Brush Electric System, 42 Arc Lights.

**Bath Gas Co., Bath.**

*Steuben County.*

Capital stock, \$25,000.  
 Total bonds outstanding, \$  
 President, N. E. Sissen.  
 Treasurer, Wm. McDonald.  
 Secretary, Wm. McDonald.  
 Purchasing Agent, Wm. H. Scrafford.  
 Superintendent, Wm. H. Scrafford.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.50 and \$2.00.  
 Number of public lights, 37.  
 Price received for public lights, \$18.00.  
 Approximate annual output, 5,000,000.  
 Candle power, 20.

**Binghamton Gas and Electric Co., Binghamton.**

*Broome County.*

Capital stock, \$300,000.  
 Total bonds outstanding,  
 President, James W. Manier.  
 Treasurer, W. G. Phelps.  
 Secretary, John Anderson.  
 Purchasing Agent, W. G. Phelps.  
 Gen'l Manager, W. G. Phelps.  
 Process of Manufacture, Lowe (by Granger.)  
 Population, 30,000.  
 Price of Gas in 1889, \$2 with disc.  
 Number of public lamps, 60,  
 Price received for public lamps, \$23.72.  
 Approximate annual output,  
 Candle power, 24.  
 Operate Brush Arc Electric System, 65 Lights;  
 Westinghouse Incandescent System, 2,700  
 Lights.

IT SHOULD BE BORNE IN MIND  
 THE PROGRESSIVE AGE IS THE  
 BEST ADVERTISING MEDIUM  
 THROUGH WHICH TO REACH THE  
 GAS INDUSTRIES.

**Brockport Gas Light Co., Brockport.**

*Monroe County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, Isaac Palmer.  
 Treasurer, Fred. Palmer.  
 Secretary, Fred. Palmer.  
 Purchasing Agent, Fred. Palmer.  
 Superintendent, Fred. Palmer.

There are more than 500 local companies using the *Thomson-Houston System* of lighting, and more than 60,000 Arc Lamps are in daily operation. See advertisement, page x.

Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 3,000,000.  
Candle power, 18.

#### Brooklyn Gas Light Co., Brooklyn.

##### *Kings County.*

Capital stock, \$2,000,000.  
Total bonds outstanding, none.  
President, Henry K. Sheldon.  
Treasurer, E. Storer.  
Secretary, E. Storer.  
Purchasing Agent,  
Superintendent, C. H. Coggeshall.  
Process of Manufacture, Coal.  
Population, about 800,000.  
Price of Gas in 1889, \$1.60.  
Number of public lamps, 1309 in our district.  
Price received for public lamps, \$19.80.  
Approximate annual output,  
Candle power, 21½ and 22.

#### The Citizens Gas Light Co., Brooklyn.

##### *Kings County.*

Capital stock, \$1,200,000.  
Total bonds outstanding, \$  
President, Samuel E. Howard.  
Assistant Treasurer, W. T. Halsey.  
Secretary, S. F. Tudor.  
Purchasing Agent, Thomas E. Byrne.  
Superintendent, Thomas E. Byrne.  
Process of Manufacture,  
Population, 750,000.  
Price of Gas in 1889, \$1.60.  
Number of public lamps, 500.  
Price received for public lamps, \$21.  
Approximate annual output, 165,000,000.  
Candle power, 26.

#### Fulton Municipal Gas Co., Brooklyn.

##### *Kings County*

Capital stock, \$3,000,000.  
Total bonds outstanding, \$300,000.  
President, General James Jourdan.  
Treasurer, Walter K. Rossiter.  
Secretary, Walter K. Rossiter.  
Purchasing Agent, E. A. Pinkney.  
Superintendent, James H. Jourdan.  
Process of Manufacture, "Tessie du Motay."  
Population, 821,000 (estimated).  
Price of Gas in 1889, \$1.60 with discounts.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 800,000,000 cubic  
feet, part of which is distributed by other  
Companies.  
Candle power, 28.

#### Greenpoint Gas Light Co., Brooklyn.

President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, 750,000.

#### Metropolitan Gas Light Co., Brooklyn.

##### *Kings County.*

Capital stock, 870,000.  
Total bonds outstanding, \$70,000.  
President, Chas. H. Stoddard.  
Treasurer, Chas. H. Stoddard.  
Secretary, A. F. Staniford.  
Purchasing Agent,  
Superintendent, Thos. Redfern.  
Process of Manufacture, Tessie du Motay.  
Population,  
Price of Gas in 1889, \$1.60.  
Number of public lamps,  
Price received for public lamps, \$11.51.  
Approximate annual output, 165,000,000.  
Candle power, 25, 26.

#### The Nassau Gas Light Co., Brooklyn.

##### *Kings County.*

Capital stock, 1,000,000.  
Total bonds outstanding, \$  
President, H. P. Morgan.  
Treasurer,  
Secretary, S. T. White.  
Purchasing Agent,  
Engineer, F. S. Benson.  
Process of Manufacture, Coal.  
Population, 700,000.  
Price of Gas in 1889, \$1.60.  
Number of public lamps, 2,700.  
Price received for public lamps, \$22.  
Approximate annual output, 285,000,000.  
Candle power, 20.

#### The People's Gas Light Co., Brooklyn.

##### *Kings County.*

Capital stock, \$1,000,000.  
Total bonds outstanding, 460,000.  
President, Edwin Ludlam,  
Treasurer, Wm. Peet.  
Secretary, S. J. Edwards.  
Purchasing Agent, President.  
Superintendent, C. L. Gerould.  
Process of Manufacture, Tessie du Motay.  
Population,  
Price of Gas in 1889, \$1.60 discount 5. to 10%.  
Number of public lamps, 1,142.  
Price received for public lamps, \$22.00.  
Approximate annual output, 200,000,000.  
Candle power, 25 to 27.

#### Union Gas Light Co. (26 Ward), Brooklyn.

##### *Kings County.*

Capital Stock, \$250,000.  
Total bonds outstanding, \$250,000  
President, Samuel J. Young.  
Treasurer, Miles A. Brown.  
Secretary, Miles A. Brown.  
Purchasing Agent, none,  
Superintendent,  
Process of Manufacture, Meeze.  
Population, about 30,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 930.  
Price received for public lamps, \$25.00.  
Approximate annual output, 35,000,000.  
Candle power, 23.

More than 200 Gas Companies are using the *Thomson-Houston System* and operating more than 13,000 Arc Lamps. See advertisement, page x.



**The Williamsburgh Gas Light Co., Brooklyn.***Kings County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$1,000,000.  
 President, Henry Steers.  
 Treasurer, C. W. Blodget.  
 Secretary, C. W. Blodget.  
 Purchasing Agent, C. W. Blodget.  
 Superintendent, C. A. Cross.  
 Process of Manufacture, Coal.  
 Population,  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps, 2,400.  
 Price received for public lamps, \$21.75.  
 Approximate annual output, 300,000,000.  
 Candle power, 22.

**The Buffalo Gas Light Co., Buffalo.***Erie County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$  
 President, Elbridge G. Spaulding.  
 Treasurer, Elbridge G. Spaulding.  
 Secretary, Joseph Krumholz.  
 Purchasing Agent, Joseph Krumholz.  
 Superintendent, Lewis Boore.  
 Process of Manufacture, Coal.  
 Population, 268,000.  
 Price of Gas in 1889, City \$1.30, Private \$1.40 net.  
 Number of public lamps, 2,566.  
 Price received for public lamps, \$21.87.  
 Approximate annual output,  
 Candle power, 18.

**Buffalo Mutual Gas Light Co., Buffalo.***Erie County.*

Capital stock, \$750,000.  
 Total bonds outstanding, none.  
 President, J. M. Richmond.  
 Treasurer, J. H. Cowing.  
 Secretary, C. K. Remington.  
 Purchasing Agent, J. H. Cowing.  
 Superintendent, Geo. Fullerton.  
 Process of Manufacture, Coal.  
 Population, 265,000.  
 Price of Gas in 1889, \$1.40 and \$1.35.  
 Number of public lamps, 1,451.  
 Price received for public lamps, \$1.25.  
 Approximate annual output, 110,000,000.  
 Candle power, over 18.

**Citizens Gas Co., Buffalo.***Erie County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$300,000.  
 President, J. F. Schoellkoff.  
 Treasurer, Peter P. Miller.  
 Secretary, Peter P. Miller.  
 Purchasing Agent, Peter P. Miller.  
 Superintendent, Jno. T. Herron.  
 Process of Manufacture, Coal.  
 Population,  
 Price of Gas in 1889, City \$1.30, General \$1.40,  
 in 1890, \$1.25 and \$1.30.  
 Number of public lamps, 319.  
 Price received for public lamps, \$1.30 per. M.  
 Approximate annual output, 100,000,000.  
 Candle power, average 18.

**The Canandaigua Gas Light Co., Canandaigua.***Ontario County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, M. D. Munger.  
 Treasurer, Alfred Denbow.  
 Secretary, Alfred Denbow.  
 Purchasing Agent, L. C. North.  
 Superintendent, L. C. North.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, 13.  
 Price received for public lamps, \$3.00 per; M.  
 Approximate annual output, 8,000,000.  
 Candle power, 16 to 18.  
 Control Electric Lighting Plant Thomson-Houston Arc System, 100 Lights; Thomson-Houston Incandescent System, 750 Lamps.

**Catskill Gas Works, Catskill.***Greene County.*

Capital stock, owned in partnership (not incorporated).  
 Total bonds outstanding, none.  
 President, E. A. Chase.  
 Treasurer, M. B. Mattice.  
 Secretary, M. B. Mattice.  
 Purchasing Agent, M. B. Mattice.  
 Superintendent, Thomas Walsh.  
 Process of Manufacture, Coal.  
 Population, 4,500.  
 Price of Gas in 1889, \$2 to \$3.  
 Number of public lamps, 103.  
 Price received for public lamps, \$1 each lamp for 16 nights.  
 Approximate annual output, 3,000,000.  
 Candle power,

**Clifton Springs Sanitarium Co., Gas Works, Clifton Springs.***Ontario County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, Sanitarium Co.  
 Treasurer, Henry Foster.  
 Secretary, Henry Foster.  
 Purchasing Agent, Henry Foster.  
 Superintendent, Henry Foster.  
 Process of Manufacture, Coal.  
 Population, 1,200.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, none.  
 Approximate annual output, 4,000,000.  
 Candle power, 20.  
 Operate Fuller Electric System, 20 Arc Lights.

**Clyde Gas Light Co., Clyde.**

President, H. B. Stevens.  
 Treasurer, H. B. Stevens.  
 Secretary, H. B. Stevens.  
 Purchasing Agent,  
 Superintendent, Geo. Tuff.  
 Process of Manufacture, Coal and Lowe.  
 Population, 3,000.

It has been clearly proved that Gas Companies which have adopted the *Thomson-Houston System* are alive to their own interests. See advertisement, page x.

**Cohoes Gas Light Co., Cohoes.**

President, D. J. Johnston.  
 Treasurer, Wm. E. Thorn.  
 Secretary, Wm. E. Thorn.  
 Purchasing Agent, D. H. Van Suken.  
 Superintendent, D. H. Van Suken.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 22,000.  
 Price of Gas in 1889, \$2.00.  
 Operate Thomson-Houston and Remington  
 Electric Systems.

**The Staten Island Gas Light Co., Clifton.**

*Richmond County.*

Capital stock, \$.  
 Total bonds outstanding, \$.  
 President, Geo. Wm. Ballou.  
 Treasurer, Geo. Wm. Ballou.  
 Secretary, Carroll Sprigg.  
 Purchasing Agent,  
 Superintendent, Thos. J. Agnew.  
 Process of Manufacture, Flannery.  
 Population, 50,000.  
 Approximate annual output, 36,000,000. Entire  
 output sold to the Richmond County Gas Co.  
 Candle power, 20.

**College Point Gas Co., College Point.**

*Queens County.*

Capital stock, \$10,000.  
 Total bonds outstanding, \$.  
 President, F. Achelis.  
 Treasurer, A. D. Schlesinger.  
 Secretary, Wm. Weidting.  
 Purchasing Agent,  
 Superintendent, F. Martens.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2 and \$2.50.  
 Number of public lamps, 78.  
 Price received for public lamps, \$1.70 per month.  
 Approximate annual output, 4,500,000.  
 Candle power, 16.

**Cooperstown Light and Power Co., Cooperstown.**

*Otsego County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$.  
 President, E. W. Howell, Albany, N. Y.  
 Treasurer, D. Farlin, Albany, N. Y.  
 Secretary, Elmer Blair, Albany, N. Y.  
 Purchasing Agent, J. S. Brady, Cooperstown.  
 Superintendent, J. S. Brady, Cooperstown, N. Y.  
 Process of Manufacture, Hanlon.  
 Population, 2,600.  
 Price of Gas in 1889, \$6.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 1,500,000.  
 Candle power, 44.  
 Operate Edison Incandescent Electric System,  
 1,400 Lights.

**Corning Gas Co., Corning.**

*Steuben County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, L. C. Kingsbury.  
 Treasurer, F. D. Kingsbury.  
 Secretary, C. S. Cole.

Purchasing Agent, F. D. Kingsbury.  
 Superintendent, R. E. Cole.  
 Process of Manufacture, Coal.  
 Population, 6,500.  
 Price of Gas in 1889, \$2.  
 Number of public lamps, 51.  
 Price received for public lamps, \$25.  
 Approximate annual output, 10,000,000.  
 Candle power, 22.

**Homer & Cortland Gas Light Co., Cortland.**

*Cortland County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Austin C. Wood.  
 Treasurer, J. W. Truesdell.  
 Secretary, J. W. Truesdell.  
 Purchasing Agent.  
 Superintendent, Charles C. Truesdell.  
 Process of Manufacture, Coal.  
 Population, Cortland 9,000; Homer 3,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, Cortland 20; Homer 59.  
 Price received for public lamps, \$2.50 per M.  
 Approximate annual output, 6,500,000.  
 Candle power, 18.

**The Dansville Gas Light Co., Dansville.**

*Livingston County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, J. B. Morey.  
 Treasurer,  
 Secretary, T. B. Grant.  
 Purchasing Agent, Wm. Humphrey Lessee.  
 Superintendent,  
 Process of Manufacture, Naphtha.  
 Population, 5,000.  
 Price of Gas in 1889, \$4.00 and \$3.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 1,000,000.  
 Candle power, 30.

**E. C. Perry & Co., Gas Works, Dunkirk.**

*Chautauqua County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, E. C. Perry.  
 Treasurer, H. D. Jarvis.  
 Secretary, C. D. Armstrong.  
 Purchasing Agent, E. C. Perry.  
 Superintendent, E. C. Perry.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 6,500,000.  
 Candle power, 18.

**Ellenville Gas Light Co., Ellenville.**

President, Chauncey Hube.  
 Treasurer, C. J. Everett.  
 Secretary, Wm. M. Murray.  
 Purchasing Agent, L. W. Hube.  
 Superintendent, L. W. Hube.  
 Process of Manufacture, Van Steenburg.  
 Population, 4,000.  
 Price of Gas in 1888, \$2.50 and \$3.00.

No Company that has adopted the *Thomson-Houston System* has ever replaced it by any other. See advertisement, page x.

**East Chester Gas Light Co., East Chester.***Westchester County.*

Post Office, Mt. Vernon.  
 Capital stock, \$150,000.  
 Total bonds outstanding, none.  
 President, Charles Nettleton.  
 Treasurer, Philip Lucas.  
 Secretary, Charles H. Nettleton.  
 Purchasing Agent, Philip Lucas.  
 Superintendent, Philip Lucas.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps, 165.  
 Price received for public lamps, \$18.00.  
 Approximate annual output, 20,000,000.  
 Candle power 18 to 19.

**Elmira Gas & Illuminating Co., Elmira.***Chemung County.*

Capital stock, \$150,000.  
 Total bonds outstanding, none.  
 President, Charles J. Langdon.  
 Treasurer, M. H. Arnot.  
 Secretary, Platt V. Bryan.  
 Purchasing Agent,  
 Superintendent, Charles Ditmar.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.80 to \$1.70 net.  
 Number of public lamps, 300.  
 Price received for public lamps, \$1.70 per M.  
 Approximate annual output,  
 Candle power,  
 Operate Schuyler Electric System, 200 Arc  
 Lights.

**Fishkill and Matteawan Gas Works, Fishkill on Hudson.***Dutchess County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 Robt. F. Mullins, lessee.  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent, W. H. Hayden.  
 Process of Manufacture, Coal.  
 Population, 10,700.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**The Flatbush Gas Co., Flatbush.***Kings County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, John J. Vanderbilt.  
 Treasurer, John Lefferts.  
 Secretary, A. I. Ditmas.  
 Purchasing Agent, W. A. Armington.  
 Superintendent, W. A. Armington.  
 Process of Manufacture, Coal.  
 Population, 13,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 500.  
 Price received for public lamps, \$26.  
 Approximate annual output, 20,000,000.  
 Candle power, 18.

**Flushing Gas Light Co., Flushing.***Queens County.*

Capital stock, \$41,000.  
 Total bonds outstanding, \$  
 President, Jas. B. Brewster.  
 Treasurer, Chas. A. Willets.  
 Secretary, Robt. S. Tucker.  
 Purchasing Agent,  
 Superintendent, Chas. A. Willets, Jr.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 6,000,000,  
 Candle power, 21.

**Fort Plain Gas and Electric Light, Heat and Power Co., Fort Plain.***Montgomery County.*

Capital stock, \$31,000.  
 Total bonds outstanding, none.  
 President, E. W. Wood.  
 Treasurer, Andrew Dunn.  
 Secretary, Andrew Dunn.  
 Purchasing Agent, Andrew Dunn.  
 Superintendent, Andrew Dunn.  
 Process of Manufacture, Lowe.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps,  
 Price received for public lamps  
 Approximate annual output  
 Candle power, 22.  
 Operate Thomson-Houston Electric System, 100  
 Arc Lights.

**Garden City Gas Works, Garden City.***Queens County.*

Capital stock, owned and operated by Stewart  
 estate.  
 Total bonds outstanding, \$  
 President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Mackenzie.  
 Population,  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 30.

**Geneseo Gas Light Co., Geneseo.***Livingston County.*

Capital stock, \$16,000.  
 Total bonds outstanding, none.  
 President, James S. Orton.  
 Treasurer, Theo. F. Olmsted.  
 Secretary, Theo. F. Olmsted.  
 Purchasing Agent, Theo. F. Olmsted.  
 Superintendent, Theo. F. Olmsted.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 35.  
 Price received for public lamps, \$18.  
 Approximate annual output, 3,000,000.  
 Candle power,

The *Thomson-Houston System of Electric Lighting* has been more generally adopted by Gas Companies than any other. See advertisement, page x.



**The Geneva Gas Light Co., Geneva.**  
*Ontario County.*

Capital stock, \$36,250.  
Total bonds outstanding,  
President, Phineas Prouty.  
Treasurer, Alexander L. Chew.  
Secretary, Alexander L. Chew.  
Purchasing Agent,  
Superintendent, Saml. S. Graves.  
Process of Manufacture, Coal.  
Population, 7,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 7,000,000.  
Candle power, 17.

**Glens Falls Gas Light Co., Glens Falls.**  
*Warren County.*

Capital stock, \$38,000.  
Total bonds outstanding,  
President, Jones Ordway.  
Treasurer, E. T. Johnson.  
Secretary, E. T. Johnson.  
Purchasing Agent, H. A. Brooke.  
Superintendent, H. A. Brooke.  
Process of Manufacture, Coal.  
Population 10,000.  
Price of Gas in 1889, \$1.50 to \$3.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 6,000,000.  
Candle power, 18.  
Operate American Arc Electric System, 100  
Lights; Bernestein Incandescent, System 75  
Lights.

**Gloversville Gas Light Company, Gloversville.**

Capital stock, \$  
Total bonds outstanding, \$  
President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, 10,000.  
Price of Gas in 1889, \$2.00 and \$1.50.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, Gas supplied by  
Johnstown Co.  
Candle power, 23.

**Goshen Gas Light Co., Goshen.**  
*Orange County.*

Capital stock, \$25,000.  
Total bonds outstanding, \$12,000.  
President, E. D. Bushnell.  
Treasurer, A. Van Denverken.  
Secretary, A. Van Denverken.  
Purchasing Agent, A. Van Denverken.  
Superintendent, A. Van Denverken.  
Process of Manufacture, Van Steenburg.  
Population, 3,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 2,500,000.  
Candle power, 25.

**The Coney Island Fuel, Gas and Light Co., Gravesend.**  
*Kings County.*

Capital stock, \$160,000.  
Total bonds outstanding, \$30,000.  
President, S. T. Bodine.  
Treasurer, Edward C. Lee.  
Secretary, Edward C. Lee.  
Purchasing Agent, Chas. E. Morgan, Drexel  
Building Phila. Pa.  
Superintendent, Arthur F. Martin.  
Process of Manufacture, Lowe.  
Population,  
Price of Gas in 1889, \$2.50 to \$2.25 net.  
Number of public lamps, 21.  
Price received for public lamps (same as regular  
consumers).  
Approximate annual output, 10,000,000.  
Candle power, 20.

**East Albany Gas Light Co., Greenbush.**  
*Rensselaer County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, F. A. Sabbaton.  
Treasurer, F. A. Sabbaton.  
Secretary, P. A. Sabbaton.  
Purchasing Agent,  
Superintendent, P. A. Sabbaton.  
Process of Manufacture, Coal.  
Population, about 5,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 45.  
Price received for public lamps, 9½c. per night.  
Approximate annual output, 4,000,000.  
Candle power, 21.50.  
Operate Westinghouse Incandescent Electric  
System, 175 Street Lights.

**Dobbs Ferry and Hastings Gas Co., Hastings on  
Hudson.**

*Westchester County.*

Capital stock \$50,000.  
Total bonds outstanding, \$9,500.  
President, Jas. J. Treanor.  
Treasurer, John B. Bounett.  
Secretary, John B. Bounett.  
Purchasing Agent, John B. Bounett.  
Superintendent, President.  
Process of Manufacture, Sutherland.  
Population, 5,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 40.  
Price received for public lamps, \$20.00.  
Approximate annual output, 2,000,000.  
Candle power, 16.

**Orsborne & Williams, Haverstraw.**

*Rockland County.*

Capital stock, \$  
Total bonds outstanding, \$  
President, Orsborne & Williams.  
Treasurer, Orsborne & Williams.  
Secretary, Orsborne & Williams.  
Purchasing Agent, Orsborne & Williams.  
Superintendent, Orsborne & Williams.  
Process of Manufacture, Oil.  
Population, 7,100.  
Price Gas in 1889, \$4.00.

A careful investigation of the systems in use among the Gas Companies will show that the *Thomson-Houston* leads the rest both in the number of installations and successful operation. See advertisement, page x.

Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output,  
 Candle power, 16.

#### **Hempstead Gas Light Co., Hempstead.**

*Queens County.*

Capital stock, \$25,000.  
 Total bonds outstanding, \$12,000.  
 President, John Nix.  
 Treasurer, P. J. A. Harper.  
 Secretary, P. J. A. Harper.  
 Purchasing Agent, none.  
 Superintendent, Stephen Powell.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 18.  
 Operate Thompson-Houston Incandescent Electric System, 250 Lights.

#### **The Herkimer Gas Light Co., Herkimer.**

*Herkimer County.*

Capital stock \$35,000.  
 Total bonds outstanding, \$17,500.  
 President, A. M. Sutherland.  
 Treasurer, A. M. Sutherland.  
 Secretary, A. J. Sutherland.  
 Purchasing Agent, A. J. Sutherland.  
 Superintendent, A. J. Sutherland.  
 Process of Manufacture, Sutherland.  
 Population, 3,500.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 30.  
 Price received for public lamps,  
 Approximate annual output, 2,000,000.  
 Candle power, 22.

#### **Hoosick Falls Gas Light Co., Hoosick Falls.**

*Rensselaer County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$  
 President, Walter P. Warren.  
 Treasurer, Willard P. Parsons.  
 Secretary, Charles A. Cheney.  
 Purchasing Agent, W. P. Parsons.  
 Superintendent, W. P. Parsons.  
 Process of Manufacture, coal.  
 Population, 8,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

#### **The Hornellsville Gas Light Co., Hornellsville.**

*Steuben County.*

Capital stock, Private owners.  
 Total bonds outstanding, none.  
 Manager, Avery McDougall.  
 Process of Manufacture, English.  
 Population, 13,500.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 20-22.

#### **The Hudson Light and Power Co., Hudson.**

*Columbia County.*

Capital stock, \$150,000.  
 Total bonds outstanding, \$50,000.  
 President, A. W. Rice.  
 Treasurer, Edwin C. Rowley.  
 Secretary, Edwin C. Rowley.  
 Purchasing Agent, Jas. B. McGiffert.  
 Superintendent, Jas. B. McGiffert.  
 Process of Manufacture, Coal.  
 Population, 15,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, all Arc Electric.  
 Price received for public lamps,  
 Approximate annual output, 9,000,000.  
 Candle power,  
 Operate Thomson-Houston Electric System,  
 122 Arc and 1420 Alternating Incandescent  
 Lights.

#### **Empire Gas and Electric Light Co., Huntington.**

*Suffolk County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$  
 President, P. I. Classen.  
 Treasurer, James A. Simmons.  
 Secretary, D. M. Ripley.  
 Purchasing Agent,  
 Superintendent, Geo. Olney.  
 Process of Manufacture, Water Gas.  
 Population, 8,000.  
 New Works now constructing.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

#### **Ithaca Gas Light Co., Ithaca.**

*Tompkins County.*

Capital stock, \$72,500.  
 Total bonds outstanding, \$  
 President, L. L. Treman.  
 Treasurer, L. L. Treman.  
 Secretary, E. M. Treman.  
 Purchasing Agent,  
 Superintendent, E. M. Treman.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$1.90.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

#### **Ilion and Mohawk Gas Light Co., Ilion.**

*Herkimer County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$  
 President, Jos. Ringwood.  
 Treasurer, Chas. W. Carpenter.  
 Secretary, John V. Schmidt.  
 Purchasing Agent, John A. Giblin,  
 Superintendent, John A. Giblin.  
 Process of Manufacture, Coal.  
 Population, Ilion, 4,500, Mohawk, 1,500.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 86.  
 Price received for public lamps, \$2.25 per M.  
 Approximate annual output, 3,500,000.  
 Candle power,

The care and attention given the details renders the *Thomson-Houston System* easy and economical to operate. See advertisement, page x.

**Mutual Gas Light Co., Islip and Bay Shore.***Suffolk County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$100,000.  
 President, J. T. Bruen.  
 Treasurer, E. I. Frost.  
 Secretary, E. I. Frost.  
 Purchasing Agent, J. H. Golding.  
 Superintendent, J. H. Golding.  
 Process of Manufacture, Sutherland,  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 20.

**Jamaica Gas Light Co., Jamaica.***Queens County.*

Capital stock, \$40,000.  
 Total bonds outstanding, none.  
 President, George Skidmore.  
 Treasurer, George Carpenter.  
 Secretary, L. M. Jaggard.  
 Purchasing Agent,  
 Superintendent, J. Tyler Watts.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 124.  
 Price received for public lamps, \$14.75.  
 Approximate annual output,  
 Candle power, 18 to 20.

**Jamestown Gas Co., Jamestown.***Chautauqua County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$50,000.  
 President, F. P. Hayes.  
 Treasurer, Francis Henry.  
 Secretary, W. H. Filter.  
 Purchasing Agent, Jno. R. Drum.  
 Superintendent, Jno. R. Drum.  
 Manager, Jno. R. Drum.  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population, 22,000.  
 Price of Gas in 1889, \$1.00 to \$1.50.  
 Number of public lamps, 238.  
 Price received for public lamps, \$17.50.  
 Approximate annual output,  
 Candle power,

**Johnstown and Gloversville Gas Co., Johnstown.***Fulton County.*

Capital stock, \$130,000.  
 Total bonds outstanding, \$65,000.  
 President, Henry Levis.  
 Treasurer, Edward C. Lee.  
 Secretary, David Paton.  
 Purchasing Agent, C. E. Morgan.  
 Superintendent, John Lorenz.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 15,000.  
 Price of Gas in 1889, \$2.00 illum., \$1.50 fuel.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power 23.

**Rondout and Kingston Gas Light Co., Kingston.***Ulster County.*

Capital stock, \$65,000.  
 Total bonds outstanding, \$32,500.  
 President, Charles Russ.  
 Treasurer, George W. Harris.  
 Secretary, George W. Harris.  
 Purchasing Agent,  
 Superintendent, George W. Harris.  
 Process of Manufacture, Allen—Harris and Sutherland.  
 Population, 25,000.  
 Price of Gas in 1889, \$2.50 with 10% and 20% dis.  
 Number of public lamps, 195.  
 Price received for public lamps, \$32.  
 Approximate annual output, 20,000,000.  
 Candle power, 24 to 25.

**The Le Roy Gas Light Co., Le Roy.***Genesee County.*

Capital stock, \$25,000.  
 Total bonds outstanding,  
 President, D. J. Bissell.  
 Treasurer, C. F. Bissell.  
 Secretary, J. C. Bissell.  
 Superintendent, J. C. Bissell.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, 122.  
 Price received for public lamps, \$2.50 per M.  
 Approximate annual output, 1,500,000.  
 Candle power,  
 Operate Edison Incandescent Electric System,  
 300 Lights.

**Little Falls Gas Light Co., Little Falls.***Herkimer County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$25,000.  
 President, Wm. Henry White.  
 Treasurer, V. S. Watrous.  
 Secretary, V. S. Watrous.  
 Purchasing Agent, W. H. White.  
 Superintendent, M. J. Leyden.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00 and discount.  
 Number of public lamps, 240.  
 Price received for public lamps, \$22.00.  
 Approximate annual output, 8,000,000.  
 Candle power, 17.50.  
 Operate Edison Incandescent Electric System,  
 900 Lights,

**Lockport Gas Light Co., Lockport.***Niagara County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, T. T. Flagler.  
 Treasurer, H. J. Chadwick.  
 Secretary, Jesse Peterson.  
 Purchasing Agent, H. J. Chadwick.  
 Superintendent, H. J. Chadwick.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps,

Gas Companies should investigate the *Thomson-Houston System* before purchasing any other. The best is always the cheapest. See advertisement, page x.



Price received for public lamps, \$1.60.  
 Approximate annual output, 14,000,000.  
 Candle power, 18.  
 Operate Brush Arc Electric System, 65 Lights;  
 Edison Incandescent System 626 Lights,

### **The East River Gas Light Co., Long Island City.**

*Queens County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$100,000.  
 President, William Steinway.  
 Treasurer, Charles A. Kittle.  
 Secretary, Charles A. Kittle.  
 Purchasing Agent, Charles A. Kittle.  
 Superintendent, Charles A. Kittle.  
 Process of Manufacture, Water and Coal Gas.  
 Population, 35,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 1,130.  
 Price received for public lamps,  
 Approximate annual output, 30,000,000.  
 Candle power, 28.

### **The Lyons Gas Light Co., Lyons.**

*Wayne County.*

Capital stock, \$12,800.  
 Total bonds outstanding, none.  
 President, Saxon B. Gavitt.  
 Treasurer, Wm. S. Gavitt.  
 Secretary, Burton Hammond.  
 Purchasing Agent, S. B. Gavitt.  
 Superintendent, Geo. F. Sturges.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 2,000,000.  
 Candle power, no means of determining.

### **Malone Gas Light Co., Malone.**

*Franklin County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 Lessee, J. H. Findlay.  
 President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 2,000,000.  
 Candle power, 18.

### **Medina Gas Light Co., Medina.**

*Orleans County.*

(This Company is now in the hands of a Receiver.)

### **Middletown Gas and Electric Light Co., Middletown.**

*Orange County.*

Capital stock, \$110,000.  
 Total bonds outstanding, \$100,000.  
 President, Wm. Fellowes Morgan.  
 Treasurer, H. K. Wilcox.

Secretary, H. K. Wilcox.  
 Purchasing Agent, H. K. Wilcox.  
 Superintendent, John R. Todd.  
 Process of Manufacture, Coal.  
 Population, 13,000.  
 Price of Gas in 1889, \$1.90 to \$2.25.  
 Number of public lamps, 123.  
 Price received for public lamps, \$30.50.  
 Approximate annual output, 13,500,000.  
 Candle power, 18.

### **Ballston Spa Gas Light Co., Milton.**

*Saratoga County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 Proprietor and Manager, Wm. Clements.  
 Process of Manufacture, Hanlon.  
 Population, 4,000.  
 Price of Gas in 1889, \$4 to \$2.  
 Number of public lamps, 45.  
 Price received for public lamps,  
 Approximate annual output, 1,500,000.  
 Candle power, 22.

### **East Chester Gas Co., Mount Vernon.**

President, Charles Nettleton  
 Treasurer, Philip Lucas.  
 Secretary, Philip Lucas.  
 Purchasing Agent, Philip Lucas.  
 Superintendent, Philip Lucas.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1888, \$1.60.

### **Consumers Gas Co., Newburgh.**

*Orange County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$100,000.  
 President, John C. Adams.  
 Treasurer, Benj. J. Macdonald.  
 Secretary, Benj. J. Macdonald.  
 Purchasing Agent, Benj. J. Macdonald.  
 Superintendent, Isaac L. Corwin.  
 Process of Manufacture, Martin.  
 Population, 25,000.  
 Price of Gas in 1889, \$2.50, less 10 per cent.  
 Number of public lamps, 380.  
 Price received for public lamps, \$32.  
 Approximate annual output, 25,000,000.  
 Candle power, 22 to 23.

### **The New Rochelle Gas and Fuel Co., New Rochelle.**

*Westchester County.*

Capital stock, 225,000.  
 Total bonds outstanding,  
 President, Chas. C. Van Benschoten.  
 Treasurer, W. C. Van Benschoten.  
 Secretary, T. T. M. Brewster.  
 Purchasing Agent,  
 Superintendent, W. C. Van Benschoten.  
 Process of Manufacture, Lowe (by McKay-Critchlow.)  
 Population, 8,000.  
 Price of Gas in 1889, \$1.85.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 22.

Some of the most successful Electric Lighting Companies are the Gas Companies using the *Thomson-Houston System*. See advertisement, page x.

**The Central Gas Light Co., New York City.***New York County.*

Capital stock, 500,000.  
 Total bonds outstanding, \$322,000.  
 President, Wm. R. Beal.  
 Treasurer, Silas D. Gifford.  
 Secretary, Amos Hadley.  
 Purchasing Agent,  
 Superintendent, Wm. R. Beal.  
 Process of Manufacture, Coal.  
 Population,  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Consolidated Gas Co., New York City.***New York County.*

Capital stock, \$35,430,000.  
 Total bonds outstanding,  
 President, James W. Smith.  
 Vice-Presidents, J. K. Lees, O. Zollikoffer.  
 Treasurer, H. E. Gawtry.  
 Secretary, O. F. Zollikoffer.  
 Purchasing Agent,  
 Engineer in-Chief, Wm. H. Bradley.  
 Process of Manufacture, Coal, Lowe and Tes-  
 sie du Motay.  
 Population, 1,500,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps, 18,251.  
 Price received for public lamps, \$17.50.  
 Approximate annual output, 6,000,000,000.  
 Candle power,

**Equitable Gas Light Co. of New York, N. Y.***New York County.*

Capital stock, \$4,000,000.  
 Total bonds outstanding, \$1,000,000 first mort-  
 gage, and \$750,000 certificates of Indebtedness.  
 President, R. M. C. Graham.  
 Treasurer, J. D. Vermilye.  
 Secretary, H. Keene.  
 Purchasing Agent,  
 Superintendent, E. J. Enfer.  
 Process of Manufacture, Jerzmanowski.  
 Population,  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps, 3,000.  
 Price received for public lamps, \$12.  
 Approximate annual output, 1,250,000,000.  
 Candle power, 32.

**The New York Mutual Gas Light Co., New York.***New York County.*

Capital stock, \$3,500,000.  
 Total bonds outstanding, \$350,000.  
 President, John P. Kennedy.  
 Vice-President, Arthur Leary.  
 Secretary, Wm. C. Besson.  
 Purchasing Agent, John P. Kennedy.  
 Superintendent, Henry F. Allen.  
 Process of Manufacture, Wilkinson.  
 Population, 1,500,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps, 500.  
 Price received for public lamps, \$17.50.  
 Approximate annual output, 850,000,000.  
 Candle power, 23.

**Northern Gas Light Co., New York City.***New York County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$150,000.  
 President, Charles W. Bathgate.  
 Treasurer, Jno. S. Bush.  
 Secretary, Jno. S. Bush.  
 Purchasing Agent, Jno. S. Bush.  
 Superintendent, Jno. S. Bush.  
 Process of Manufacture, Coal.  
 Population,  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**The Standard Gas Light Co. of the City of New York.***New York County.*

Capital stock, \$10,000,000; (\$5,000,000 preferred,  
 \$5,000,000 common.)  
 Total bonds outstanding, no bonds issued.  
 President, W. C. Andrews.  
 Treasurer, O. P. Shaffer.  
 Secretary, Ferdinand McKeige.  
 Purchasing Agent, O. P. Shaffer.  
 Chief Engineer, Joseph Flannery.  
 Superintendent,  
 Process of Manufacture, Flannery.  
 Population,  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 360,000,000.  
 Candle power, about 30.

**Niagara Falls Gas Light Co., Niagara Falls.***Niagara County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, S. M. N. Whitney.  
 Treasurer, A. W. R. Henning.  
 Secretary, A. W. R. Henning.  
 Superintendent, L. A. Boore.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.20.  
 Number of public lamps, 50.  
 Price received for public lamps, \$25.  
 Approximate annual output, 8,000,000.  
 Candle power, averaged 17.4.

**Norwich Light and Power Co., Norwich.***Chenango County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$15,000.  
 President, Dudley Farlin, Albany, N. Y.  
 Treasurer, Elmer Blair, Albany, N. Y.  
 Secretary, Elmer Blair, Albany, N. Y.  
 Purchasing Agent, James H. Throop, Norwich.  
 Superintendent, James H. Throop, Norwich.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output,  
 Candle power,  
 Operate Schuyler Arc Electric System, 35  
 Lights; Westinghouse Incandescent System,  
 700 Lights.

The advantages of the adoption of Electric Lighting by Gas Companies are established beyond question, and the *Thomson-Houston* is the best system. See advertisement, page x.

**The Nyack & Warren Gas Light Co.***Rockland County.*

Works at Nyack in Orangetown, and at Haverstraw in Clarkstown.

Capital stock, \$85,000.

Total bonds outstanding, \$5,000.

President, William M. Voorhis.

Treasurer, William Voorhis.

Secretary, William L. Voorhis.

Purchasing Agent, Company.

Superintendent, E. L. Voorhis.

Process of Manufacture, Hanlon-Leadley.

Population, 8,000.

Price of Gas in 1889, \$4.50, 40% disc.

Number of public lamps, none.

Price received for public lamps, none.

Approximate annual output, 4,000,000.

Candle power, 25.

**Ogdensburg Gas Co., Ogdensburg.***St Lawrence County.*

Capital stock, \$100,000.

Total bonds outstanding,

President, J. H. Findlay, Lessee.

Treasurer, J. H. Findlay, Lessee.

Secretary, J. H. Findlay, Lessee.

Purchasing Agent, J. H. Findlay, Lessee.

Superintendent, J. H. Findlay, Lessee.

Process of Manufacture, Coal.

Population, 13,000.

Price of Gas in 1889, \$2 to \$2.50.

Number of public lamps, none.

Price received for public lamps,

Approximate annual output,

Candle power,

Operate American Electric System, 120 Arc Lights.

**Oneonta Electric Light and Power Co., Oneonta.***Otsego County.*

Capital stock, \$20,000.

Total bonds outstanding, \$

President, F. D. Miller.

Treasurer, Frank Gould.

Secretary, Frank Gould.

Purchasing Agent,

Superintendent, G. A. Lane.

Process of Manufacture, Van Steenburgh.

Population, 8,000.

Price of Gas in 1889, \$2.50.

Number of public lamps, all electric.

Price received for public lamps,

Approximate annual output,

Candle power, 22.

Operate American Arc Electric System, 44 Lights; Thomson-Houston Incandescent System, 800 Lights.

**Oneida Gas Light Co., Oneida.***Madison County.*

Capital stock, \$18,000.

Total bonds outstanding, \$

President, W. E. Northrup.

Treasurer, Harry S. Klock.

Secretary, H. S. Klock.

Superintendent, Patrick Clark.

Process of Manufacture, Coal.

Population, 8,000.

Price of Gas in 1889, \$2.50.

Number of public lamps, none.

Price received for public lamps,

Approximate annual output,

Candle power,

**Oswego Gas Light Co., Oswego.***Oswego County.*

Capital stock, \$

Total bonds outstanding, \$

President, Jas. Dowdle.

Treasurer, Wm. L. Welsh.

Secretary, Wm. L. Welsh.

Purchasing Agent,

Superintendent, Wm. L. Welsh.

Process of Manufacture, Coal.

Population, 23,000.

Price of Gas in 1889, \$2 gross, \$1.90 net.

Number of public lamps, none.

Price received for public lamps,

Approximate annual output,

Candle power 16 to 19.

Operate Thomson-Houston Arc Electric System,

40 Lights; Edison Incandescent System, 300 Lights.

**Owego Gas Light Co., Owego.***Tioga County.*

Capital stock, \$60,000.

Total bonds outstanding, none.

President, A. P. Storrs, Jr.

Treasurer, A. P. Storrs, Jr.

Secretary, B. M. Stebbins.

Purchasing Agent,

Superintendent, B. M. Stebbins.

Process of Manufacture, Coal.

Population, 6,000.

Price of Gas in 1889, \$3.00.

Number of public lamps, none.

Price received for public lamps,

Approximate annual output,

Candle power,

**Palmyra Gas Light Co., Palmyra.***Wayne County.*

Capital stock, \$20,000.

Total bonds outstanding, none.

President, A. P. Crandall.

Treasurer, A. P. Crandall.

Secretary, A. P. Crandall.

Purchasing Agent, A. P. Crandall.

Superintendent, A. P. Crandall.

Process of Manufacture, Coal.

Population, 3,000.

Price of Gas in 1889, \$2.50.

Number of public lamps, 28.

Price received for public lamps, \$14.00.

Approximate annual output, 1,500,000.

Candle power 16 to 18.

**Peekskill Gas Light Co., Peekskill.**

President,

Treasurer,

Secretary,

Purchasing Agent,

Superintendent,

Process of Manufacture,

Population, 6,500.

The *Thomson-Houston System* gives a greater amount of light for a given expenditure of energy than any other system. See advertisement, page x.



**Penn Yan Gas Light Co., Penn Yan.***Tates County.*

Capital Stock, \$24,750.  
 Total bonds outstanding, \$4,400.  
 President, William T. Morris.  
 Treasurer, William T. Morris.  
 Secretary, Morgan D. Tracey, 2d.  
 Purchasing Agent, (President).  
 Superintendent, Morgan D. Tracey, 2d.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50 and \$2.00.  
 Number of public lamps, 58.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 3,500,000.  
 Candle power, 18 to 20.

**Plattsburgh Light, Heat and Power Co., Plattsburgh.***Clinton County.*

Capital stock, \$100,000.  
 Total bonds outstanding,  
 President, H. M. Pierson.  
 Treasurer, J. H. Myers.  
 Secretary, Geo. M. Cole.  
 Purchasing Agent, Geo. M. Cole.  
 Superintendent, Geo. M. Cole.  
 Process of Manufacture, Lowe.  
 Population, 8,500.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, 30.  
 Price received for public lamps,  
 Approximate annual output, 4,000,000.  
 Candle power,  
 Operate Arc Electric System, 70 Lights; West-  
 inghouse Incandescent System, 1,200 Lights.

**The Citizens' Gas Light Co. of Westchester Co., Port Chester.**

President, Walter Stanton.  
 Treasurer, J. W. Maguire.  
 Purchasing Agent, A. B. Eilbeck.  
 Superintendent, A. B. Eilbeck.  
 Process of Manufacture, Wilkinson & Kennedy.  
 Population, (total) 11,000.  
 Price of Gas in 1889, \$2.00.

**Rye & Port Chester Gas Light Co., Port Chester.**

(Leased by Citizens' Gas Light Co. of Westchester.)

President Geo. W. Romaine.  
 Treasurer, James Greehy.  
 Secretary James Greehy.  
 Purchasing Agent, James Greehy.  
 Superintendent,  
 Process of Manufacture, Coal,  
 Population, 6,000.  
 Price of Gas in 1888, \$2.00.

**Port Henry Gas Co., Port Henry.***Essex County.*

Capital stock, \$6,900.  
 Total bonds outstanding, none.  
 President, A. B. Waldo.  
 Treasurer, H. B. Willard.  
 Secretary, H. B. Willard.  
 Purchasing Agent, H. B. Willard.  
 Superintendent, F. P. Dunham,  
 Process of Manufacture, Hanlon-Leadley.  
 Population, 2,800.  
 Price of Gas in 1889, \$3.50.  
 Number of public lamps, 30.

Price received for public lamps, \$1.60 per month.  
 Approximate annual output, 400,000.  
 Candle power, 25.

**The Port Jervis Gas Light Co., Port Jervis.***Orange County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 President, Francis Marvin.  
 Cashier, Howard Marvin.  
 Secretary, Howard Marvin.  
 Purchasing Agent, none.  
 Superintendent, Thos. Maguire  
 Process of Manufacture, Lowe.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 20.

**Poughkeepsie Gas Co., Poughkeepsie.***Dutchess County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$100,000.  
 President, W. H. Young.  
 Treasurer, L. G. Dodge.  
 Secretary, L. G. Dodge.  
 Purchasing Agent, John Tracy.  
 Superintendent, Jas. M. Hadden.  
 Process of Manufacture, Allen-Harris.  
 Population, 25,000.  
 Price of Gas in 1889, \$1.00 to \$3.00.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 40,000,000.  
 Candle power, 25.

**Rhinebeck Gas Co., Rhinebeck.***Dutchess County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, Geo. Esselstyn.  
 Treasurer, H. McKim.  
 Secretary, A. Lee Wager.  
 Purchasing Agent, A. Lee Wager.  
 Superintendent, J. M. Tonen.  
 Process of Manufacture, Naphtha.  
 Population, 1,800.  
 Price of Gas in 1889,  
 Number of public lamps, 25.  
 Price received for public lamps, \$20.00.  
 Approximate annual output.  
 Candle power.

**The Citizens' Gas Co., Rochester.***Monroe County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$247,000.  
 President, Mortimer F. Reynolds.  
 Treasurer, William H. Ward.  
 Secretary, William H. Ward.  
 Purchasing Agent, William H. Ward.  
 Superintendent, T. M. Cox.  
 Process of Manufacture, Coal.  
 Population, 100,000.  
 Price of Gas in 1889, \$1.80 gross, 1.60 net.  
 Number of public lamps, 517.  
 Price received for public lamps, \$18.25.  
 Approximate annual output, 100,000,000.  
 Candle power 18.

The *Thomson-Houston Company* supplies apparatus for Arc and Incandescent Lighting, and the electrical transmission of power. See advertisement, page x.

**Municipal Gas Light Co., Rochester.***Monroe County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$250,000.  
 President, Wm. Runkle.  
 Treasurer, Wm. Runkle.  
 Secretary, W. Cole.  
 Purchasing Agent, W. Cole.  
 Superintendent, W. A. Stedman.  
 Process of Manufacture, Gas bought.  
 Population, 135,000.  
 Price of Gas in 1889, \$1.60 down, fuel \$1.00.  
 Number of public lamps, 215.  
 Price received for public lamps, 5 cents per lamp per night.  
 Approximate annual output, 40,000,000.  
 Candle power, 18.

**The Rochester Gas Light Co., Rochester.***Monroe County.*

Capital stock, \$700,000.  
 Total bonds outstanding, none.  
 President, Daniel Runkle.  
 Treasurer, H. G. Runkle.  
 Secretary, F. W. Campbell.  
 Purchasing Agent, W. L. Cole.  
 Superintendent, W. A. Stedman.  
 Process of Manufacture, Coal.  
 Population, 135,000.  
 Price of Gas in 1889, \$1.60 down, fuel \$1.00.  
 Number of public lamps, 129.  
 Price received for public lamps, 5 cents per lamp per night.  
 Approximate annual output, 90,000,000.  
 Candle power, 18.

**Rome Gas Light Co., Rome.***Oneida County.*

Capital stock, \$35,000.  
 Total bonds outstanding, \$  
 President, G. N. Bissell.  
 Treasurer, Wm. R. Huntington.  
 Secretary, Wm. R. Huntington.  
 Purchasing Agent, J. D. Higgins.  
 Superintendent, J. D. Higgins.  
 Process of Manufacture, Coal.  
 Population, 17,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 8,000,000.  
 Candle power, 17½.  
 Operate Thomson-Houston and Remington Arc Electric Systems, 200 Lights; Thomson-Houston Alternating Incandescent System, 250 Lights.

**The United Gas Improvement Co., Sag Harbor.***Suffolk County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President,  
 Treasurer, E. C. Lee.  
 Agent, R. M. Searle.  
 Purchasing Agent, Chas. E. Morgan, Phila., Pa.  
 Superintendent, Robert M. Searle.  
 Process of Manufacture, Lowe.  
 Population, 3,000.  
 Price of Gas in 1889, \$2.90 to \$2.25.  
 Number of public lamps, 19.

Price received for public lamps, \$20.00.  
 Approximate annual output, 1,500,000.  
 Candle power 22.

**Saratoga Gas and Electric Light Co., Saratoga Springs.**

President, Wm. Foster, Jr.  
 Treasurer, R. N. Hazard.  
 Secretary, E. H. Peters.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Lowe.  
 Population, 12,000.  
 Price of Gas in 1888, \$  
 Operate American System Electric Light, 150 Arcs, 175 Incandescent.

**The Saugerties Gas Light Co., Saugerties.***Ulster County.*

Capital stock, \$32,000.  
 Total bonds outstanding, none.  
 President, Wm. F. Russell.  
 Treasurer, Wm. F. Russell.  
 Secretary, Albert Carwright.  
 Purchasing Agent, Wm. F. Russell.  
 Superintendent, John Van Buskirk.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 40.  
 Price received for public lamps, \$15.  
 Approximate annual output, 4,000,000.  
 Candle power,

**Salamanca Gas Co., Salamanca.***Cattaraugus County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, Danl. O. Day.  
 Treasurer, Geo. W. Colton.  
 Secretary, John Bushnell.  
 Purchasing Agent,  
 Superintendent, C. N. Payne.  
 Process of Manufacture, Lowe (by McKay-Critchelow).  
 Population, 5,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output.  
 Candle power,  
 This is also a Natural Gas Plant.

**Schenectady Gas Light Co., Schenectady.***Schenectady County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$100,000.  
 President, Wm. Henry White.  
 Treasurer, John McEncroe.  
 Secretary, Clement A. White.  
 Purchasing Agent, Clement A. White.  
 Superintendent, Clement A. White.  
 Process of Manufacture, Coal.  
 Population, 24,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 28.  
 Price received for public lamps, \$20.  
 Approximate annual output, 14,000,000.  
 Candle power, 18.  
 Operate Remington Arc Electric System for streets 109 Lights : American Arc System for Commercial 31 Lights.

The fact that the sale of *Thomson-Houston* apparatus to Gas Companies is daily increasing is proof of its superior qualities. See advertisement, page x.

**Seneca Falls and Waterloo Gas Light Co., Seneca Falls.***Seneca County.*

Capital stock, \$80,000.  
 Total bonds outstanding, none.  
 President, Chas. L. Hoskins.  
 Treasurer, Wm. Parrish.  
 Secretary, Wm. Parrish.  
 Purchasing Agent, Wm. Parrish.  
 Superintendent, Wm. Parrish.  
 Process of Manufacture, Coal.  
 Population, both towns 12,000.  
 Price of Gas in 1889, \$2.25 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 8,000,000.  
 Candle power, 16.

**Sing Sing Gas Mfg. Co., Sing Sing.***Westchester County.*

Capital stock, \$22,500  
 Total bonds outstanding, \$  
 President, Francis Larkin.  
 Treasurer, I. B. Noxon.  
 Secretary, John I. Kane.  
 Purchasing Agent,  
 Superintendent, H. Murphy.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 119.  
 Price received for public lamps, \$25.00.  
 Approximate annual output,  
 Candle power,

**The Richmond County Gas Light Co., Stapleton.***Richmond County.*

Capital stock, \$348,650.  
 Total bonds outstanding, \$  
 President, J. Hull Browning.  
 Treasurer, W. Mackenzie.  
 Secretary, W. Mackenzie.  
 Purchasing Agent,  
 Superintendent, William Welsh.  
 Process of Manufacture, Flannery.  
 Population, 40,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 38,000,000.  
 Candle power, 20.

**The Gas Light Co. of Syracuse, Syracuse.***Onondaga County.*

Capital stock, \$470,000.  
 Total bonds outstanding, \$  
 President, A. A. Howlett.  
 Treasurer, H. N. Babcock.  
 Secretary, H. N. Babcock.  
 Purchasing Agent, Austin C. Wood.  
 Superintendent, Austin C. Wood.  
 Process of Manufacture, Coal.  
 Population, 95,000.  
 Price of Gas in 1889, \$1.50 and \$1.40.  
 Number of public lamps, 320.

Price received for public lamps, \$13.34.  
 Approximate annual output,  
 Candle power, 20.

**Tarrytown and Irvington Union Gas Light Co., Tarrytown.***Westchester County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$32,000.  
 President, Benson Ferris.  
 Treasurer, Elias Mann.  
 Secretary, Geo. W. Stephens.  
 Purchasing Agent, Geo. W. Stephens.  
 Superintendent, Geo. Coles.  
 Process of Manufacture, Coal and Oil.  
 Population District, 10,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 110.  
 Price received for public lamps, \$17.50 to \$21.00.  
 Approximate annual output, 12,000,000.  
 Candle power, 20.  
 Operate Thomson-Houston Alternating Incandescent System, 650 Lights.

**The Tonawanda Gas Light Co., Tonawanda.***Erie and Niagara County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$25,000.  
 President, James H. DeGraff.  
 Treasurer, P. S. Humphrey.  
 Secretary, A. H. Crown.  
 Purchasing Agent and Manager, H. M. Stocum.  
 Superintendent, Thomas Hunt.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 249.  
 Price received for public lamps, \$18.00.  
 Approximate annual output, 16,000,000.  
 Candle power, 18.

**Troy Gas Company, Troy.***Rensselaer County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$350,000.  
 President, Edward Murphy, Jr.  
 Treasurer, Derrick Lane.  
 Secretary, C. E. Davenport.  
 Purchasing Agent,  
 Superintendent, Henry C. Shields.  
 Process of Manufacture, H. C. Shields.  
 Population, 80,000.  
 Price of Gas in 18 9, \$1.50, \$1.75 and \$2.00.  
 Number of public lamps, 450.  
 Price received for public lamps, 8c. per night in  
 Troy—In Lansingburgh and Waterford \$25.00  
 per annum.  
 Approximate annual output, 130,000,000.  
 Candle power, 22.

**Equitable Gas and Electric Co. of Utica, Utica.***Oneida County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, R. M. C. Graham.

Gas Companies should investigate the *Thomson-Houston System* of street lighting by Incandescent Lamps. Send for Circular No. 34. See advertisement, page x.



Treasurer, H. Keene (also Vice President).  
 Secretary, Harold Graham (also Gen'l Manager.)  
 Purchasing Agent, Harold Graham.  
 Superintendent, John Horie.  
 Process of Manufacture, Jerzmanowski "Baby."  
 Population, about 45,000.  
 Price of Gas in 1889, \$1.75 net.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Thomson-Houston Electric System,  
 200 Arc and 200 Incandescent Lights.

#### Franklindale Company, Wappinger Falls.

*Dutchess County.*

Works owned by the Franklindale Co.  
 Capital stock, \$  
 Total bonds outstanding, \$  
 President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent, M. Cottam.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.75.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 18.

#### Citizens' Gas Light Co., Warsaw.

*Wyoming County.*

Capital stock, \$17,100.  
 Total bonds outstanding, \$2,000.  
 President, S. D. Lewis.  
 Treasurer, B. Fargo.  
 Secretary, J. B. Gates.  
 Purchasing Agent, S. D. Lewis.  
 Superintendent, S. Cronkhite.  
 Process of Manufacture, McKay-Critchelow.  
 Population, 3,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 23.  
 Price received for public lamps, \$2.00 per month.  
 Approximate annual output, 2,000,000.  
 Candle power, 24.

#### Watertown Gas Light Co., Watertown.

*Jefferson County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, F. T. Story.  
 Treasurer, F. T. Story.  
 Secretary, H. C. Whitney.  
 Purchasing Agent, H. C. Whitney.  
 Superintendent, H. C. Whitney.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, 11.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 20.

#### Waterville Gas Light Co., Waterville.

*Oneida County.*

Capital stock, \$30,000.  
 Total bonds outstanding, none.  
 President, A. M. Wright.  
 Treasurer, S. W. Goodwin.  
 Secretary, W. B. Goodwin.  
 Purchasing Agent, W. B. Goodwin.  
 Superintendent, A. M. Wright.  
 Process of Manufacture, Water Gas.  
 Population, 2,000.  
 Price of Gas in 1889, \$2.00 to \$2.50.  
 Number of public lamps, 35.  
 Price received for public lamps, \$18.00.  
 Approximate annual output, 2,000,000.  
 Candle power, 22.

#### Watkins Gas Co. Limited, Watkins.

*Schuyler County.*

Capital stock, \$15,000.  
 Total bonds outstanding, \$10,000.  
 President, Geo. J. Magee.  
 Treasurer, F. Davis, Jr.  
 Secretary, D. H. Smith.  
 Purchasing Agent, F. Davis, Jr.  
 Superintendent, D. H. Smith.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, 36.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

#### The Gas Light Co. of Waverly, Waverly.

*Tioga County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, Wm. Fiske Warner.  
 Treasurer, Henry G. Mirriam.  
 Secretary, W. G. Mirriam.  
 Purchasing Agent, W. F. Warner.  
 Superintendent, W. F. Warner.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.75.  
 Number of public lamps, 33.  
 Price received for public lamps, \$2.50.  
 Approximate annual output, 2,600,000.  
 Candle power, 18.

#### Westfield Gas Works, Westfield.

*Chautauqua County.*

Capital stock, \$15,000.  
 Total bonds outstanding, none.  
 Proprietor, F. B. Brewer.  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Natural Gas.  
 Population, 3,000.  
 Price of Gas in 1889, \$3.  
 Number of public lamps, use gasoline.  
 Price received for public lamps, \$26.  
 Approximate annual output,  
 Candle power,

The *Thomson-Houston Company* was awarded the only Gold Medal given for Arc Lighting at the International Inventions Exhibition, London, August 11th, 1885. See advertisement, page x.

**Municipal Gas Co., West Troy Div., West Troy.***Albany County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Anthony N. Brady.  
 Treasurer, John E. McElroy.  
 Secretary, John E. McElroy.  
 Purchasing Agent, Walter A. Allen.  
 Superintendent, John F. Burke.  
 Supplied by Municipal Gas Co., Albany.  
 Population, 16,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 West Point Gas Works, owned by U. S.  
 Government.

**Whitehall Gas Light Co., Whitehall.**

President, F. A. Sabbathon.  
 Treasurer, W. F. Bascom.  
 Secretary, H. A. Brooke.  
 Purchasing Agent,  
 Superintendent, J. H. O'Callaghan.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.75.

**White Plains Gas Light Co., White Plains.***Westchester County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, S. Conover.  
 Treasurer, S. Pullen.  
 Secretary, E. R. Phelps.  
 Purchasing Agent, R. E. Slade.  
 Superintendent, R. E. Slade.  
 Process of Manufacture, Slade.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps, 98.  
 Price received for public lamps, \$25.  
 Approximate annual output, 4,500,000.  
 Candle power, 22-24.  
 Operate Thomson-Houston Electric System, 30  
 Arc Lights.

**The Yonkers Gas Light Co., Yonkers.***Westchester County.*

Operated by the United Gas Improvement Co.,  
 Thomas C. Cornell, Agent.  
 Capital stock, \$300,000.  
 Total bonds outstanding, \$150,000.  
 President, Thomas C. Cornell.  
 Treasurer, Thomas C. Cornell.  
 Secretary, James D. McIntyre.  
 Purchasing Agent,  
 Superintendent, James Slade.  
 Process of Manufacture, Lowe.  
 Population, 33,000.  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps, about 800 in Yonkers  
 and 600 in New York.  
 Price received for public lamps, \$14 in Yonkers;  
 \$28 in New York.  
 Approximate annual output, 90,000,000,  
 Candle power, 25.

**The Municipal Gas Co., Yonkers.***Westchester County.*

Operated by the United Gas Improvement Co.,  
 Thomas C. Cornell, Agent.  
 Capital stock, \$125,000.  
 Total bonds outstanding, \$66,000.  
 President, H. E. Gawtry.  
 Treasurer, S. J. Young.  
 Secretary, S. J. Young.

**Westchester Gas Light Co., Yonkers.***Westchester County.*

Operated by the United Gas Improvement Co.  
 Capital stock, \$100,000.  
 Total bonds outstanding, 1st Mortgage \$30,000;  
 2d Mortgage, \$40,000.  
 President, W. W. Gibbs.  
 Treasurer, Edward C. Lee.  
 Secretary, Edward C. Lee.  
 Purchasing Agent, Charles E. Morgan, Drexel  
 Building, Phila.  
 Superintendent, James Slade.  
 Process of Manufacture, Lowe.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.60 with sliding scale of  
 discounts.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 90,000,000.  
 Candle power, 25.

**NORTH CAROLINA.****Charlotte Gas Light Co., Charlotte.***Mecklenberg County.*

Capital stock, 50,000.  
 Total bonds outstanding, none.  
 President, J. H. Carson.  
 Treasurer, S. E. Linton.  
 Secretary, S. E. Linton.  
 Purchasing Agent, S. E. Linton.  
 Superintendent, S. E. Linton.  
 Process of Manufacture, Lowe.  
 Population, 13,000.  
 Price of Gas in 1889, \$2.50 to \$1.75 light; \$1.75  
 to \$1.25 fuel.  
 Number of public lamps, none.  
 Price received for public lamps,

Approximate annual output, 7,500,000.

Candle power,

Operate Thomson-Houston Arc Electric System,  
 100 Lights; Ft. Wayne Incandescent System,  
 450 Lights.

**Fayetteville Gas Light Co., Fayetteville.***Cumberland County.*

Capital stock, 50,000.  
 Total bonds outstanding,  
 President, N. W. Ray.  
 Treasurer, I. P. Thomson.  
 Secretary, I. P. Thomson.  
 Purchasing Agent, I. P. Thomson.  
 Superintendent, I. P. Thomson.

In North Carolina the Gas Companies in the towns of Greensboro, Henderson, Raleigh and Wilmington operate the *Thomson-Houston Electric System*. See advertisement, page x.

Process of Manufacture, Rosin and Coal.  
Population, 8,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, none.  
Price received for public lamps.  
Approximate annual output,  
Candle power, none.  
Operate Brush Electric System, 43 Arc Lights.

**Water, Gas and Electric Light Co., Goldsboro.**

(Owners, Conway, Kelly & Co., Lebanon, Ky.)  
President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, 5,000.  
Price of Gas in 1888,  
Operate ——— Electric System.

**Greensboro Gas and Electric Light Co., Greensboro.**

*Guilford County.*

Capital stock, \$100,000.  
Total bonds outstanding, \$50,000.  
President, B. S. Johnston.  
Treasurer, W. H. Bosley.  
Secretary, C. N. Vance.  
Purchasing Agent, H. B. Peters.  
Superintendent, H. B. Peters.  
Process of Manufacture, Coal.  
Population, 7,500.  
Price of Gas in 1889, \$2.50 and \$2.00.  
Number of public lamps, 50 Arc.  
Price received for public lamps, \$80.00  
Approximate annual output, 3,600,000.  
Candle power, 18.  
Operate Thomson-Houston Electric System, 50  
Arc Lights.

**The Henderson Electric and Gas Light Co., Henderson.**

*Vance County.*

Capital stock, \$26,000.  
Total bonds outstanding,  
President, Wm. H. Burgwyn.  
Treasurer, Wm. H. Burgwyn.  
Secretary, J. P. Taylor.  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, about 4,000.  
Price of Gas in 1889,  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,  
Operate Thomson-Houston Electric System, 50  
Arc and 51 Incandescent Lights.

**New Berne Gas Light Co., New Berne.**

President, Charles Slover.  
Treasurer, George Allen.  
Secretary, George Allen.  
Purchasing Agent, George Allen.  
Superintendent, John C. Green.  
Process of Manufacture, Lowe.  
Population, 8,000.  
Price of Gas in 1888, \$3.00.

**Raleigh Gas Co., Raleigh.**

*Wake County.*

Capital stock, \$100.00.  
Total bonds outstanding, none.  
President, C. M. Hawkins.  
Treasurer, W. E. Anderson.  
Secretary, W. E. Anderson.  
Purchasing Agent,  
Superintendent, M. Bowes.  
Process of Manufacture, Coal.  
Population, about 12,000.  
Price of Gas in 1889, average \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 18 to 22.  
Operate Thomson-Houston Electric System, 122  
Arc Lights.

**F. & H. Fries Gas Co., Salem.**

*Forsyth County.*

Gas Works are an old style Rosin Plant  
and are a private enterprise, though we  
supply a number of consumers.  
Have United States Arc Lamps in our Cot  
ton Mill and Edison Incandescent Plant in  
Grist Mill.

**Salisbury Gas and Electric Light Co., Salisbury.**

*Rowan County*

Capital stock, \$20,000.  
Total bonds outstanding, none.  
President, J. Allen Brown.  
Treasurer, O. D. Davis.  
Secretary, O. D. Davis.  
Purchasing Agent, J. Allen Brown.  
Superintendent, O. S. Gallimore.  
Process of Manufacture, Old Style Rosin Gas.  
Population, 4,000.  
Price of Gas in 1889, \$2.50 and \$3.00.  
Number of public lamps, 52.  
Price received for public lamps, \$2.50.  
Approximate annual output, 700,000.  
Candle power, 16 to 18.

**Washington Gas Light Co., Washington.**

*Beaufort County.*

The Plant is not now in use; was built for  
making Rosin Gas.

EDM'D S. HOYT.

**Wilmington Gas Light Co., Wilmington.**

*New Hanover County.*

Capital stock, \$125,000.  
Total bonds outstanding,  
President, E. S. Martin.  
Treasurer, Richard J. Jones.  
Secretary, Richard J. Jones.  
Purchasing Agents, Treas. and Supt.  
Superintendent, John W. Reilly.  
Process of Manufacture, Coal.  
Population, 23,000.  
Price of Gas in 1889, \$2.50 and \$2.00.  
Number of public lamps, 55.  
Price received for public lamps, \$2.00 per month.  
Approximate annual output, 12,000,000.  
Candle power, 18.  
Operate Thomson-Houston Electric System, 80  
Arc and 650 Incandescent Lights.

The problem of long distance incandescent lighting is successfully  
solved by the *Thomson-Houston Transformer System*. See advertisement,  
page x.



**The Fargo Gas and Electric Co., Fargo.**

*Cass County.*

Capital stock, \$250,000.  
Total bonds outstanding, \$  
President, V. S. Stone.  
Treasurer, J. W. Smith.  
Secretary, Seth Newman.  
Purchasing Agent, E. P. Ingham.  
Superintendent, E. P. Ingham.  
Process of Manufacture, Coal.  
Population, 12,000.  
Price of Gas in 1889, \$3.00, 10% discount.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 400,000.  
Candle power, 16.  
Operate Brush Arc Electric System, 42 Lights.  
Thomson-Houston Alternating Incandescent  
System, 1,000 Lights.

**Grand Forks Gas and Electric Co., Grand Forks.**

*Grand Forks County.*

Capital stock, \$200,000; \$40,000 paid up.  
Total bonds outstanding (being negotiated).  
President, Anson S. Brooks.  
Treasurer, H. L. Whithed.  
Secretary, A. C. Labrie.  
Purchasing Agent, W. J. Murphy.  
Superintendent, T. Roycraft.  
Process of Manufacture, Lowe (by Springer)  
Population, 8,000.  
Price of Gas in 1889, \$2.50 net.  
Number of public lamps, 101.  
Price received for public lamps, \$29.  
Approximate annual output, 8,500,000.  
Candle power, 22.  
Operate Brush Arc Electric System, 23 Lights;  
Thomson-Houston Alternating Incandescent  
System, 500 Lights.

OHIO.

**Akron Gas Light Co., Akron.**

President, T. W. Cornell.  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, 25,000.

**The Akron Light, Heat and Power Co., Akron.**

*Summit County.*

Capital stock, \$200,000.  
Total bonds outstanding, \$125,000.  
President, Gordon W. Lloyd, Detroit, Mich.  
Treasurer, F. Adolph Schumacher, Akron.  
Secretary, Ernest F. Lloyd, Akron.  
Engineer, Olaf N. Guldlin, Fort Wayne, Ind.  
Superintendent, not yet appointed.  
Process of Manufacture, Loomis.  
Population, 30,000 to 35,000.  
Price of Gas 30 to 50c. fuel, 75c. light.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, (Works only completed in Jan. 1890.)  
Candle power,

**Alliance Gas Light Co., Alliance.**

President, Elishu Teeters.  
Treasurer, W. W. Cantine.  
Secretary and Manager, W. W. Cantine.  
Purchasing Agent, W. W. Cantine.  
Superintendent, W. W. Cantine.  
Process of Manufacture, Coal.  
Population, 8,000.

**Ashland Gas Works, Ashland.**

*Ashland County.*

President, E. A. Potter.  
Treasurer, E. A. Potter.  
Secretary, E. A. Potter.  
Purchasing Agent, E. A. Potter.  
Superintendent, E. A. Potter.

Process of Manufacture, Coal.

Population, 4,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 70.  
Price received for public lamps, \$13.50.  
Approximate annual output, 5,000,000.  
Candle power, 18.

**The Ashtabula Gas Light Co, Ashtabula.**

*Ashtabula County.*

Capital stock, \$60,000.  
Total bonds outstanding, \$8,000.  
President, J. H. King.  
Treasurer, J. Sum. Blyth.  
Secretary, Henry Fassett.  
Purchasing Agent, F. K. Lane.  
Superintendent, J. W. Alexander.  
Process of Manufacture, Coal.  
Population, 7,000.  
Price of Gas in 1889, \$2.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 4,000,000.  
Candle power, 17.

**The Athens Gas Light and Electric Co., Athens.**

*Athens County.*

Capital stock, \$36,000.  
Total bonds outstanding, \$.  
President, J. M. Welch.  
Treasurer, Charles H. Welch.  
Secretary, Charles H. Welch.  
Purchasing Agent, Charles H. Welch.  
Superintendent, Charles H. Welch.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1889, \$2.  
Number of public lamps, 32 electric.  
Price received for public lamps, \$80.  
Approximate annual output, 5,500,000.  
Candle power, 18.  
Operate Thomson-Houston Electric System, 42  
Arc Lights.

In North Dakota the Gas Companies in the towns of Fargo and Grand Forks operate the *Thomson-Houston System*. See advertisement, page x.

**Barnesville Gas Light and Coke Co., Barnesville.***Belmont County.*

Capital stock, \$22,265.  
 Total bonds outstanding, none.  
 President, John Bradfield.  
 Treasurer, C. J. Howard.  
 Purchasing Agent, H. D. Timmons.  
 Superintendent, H. D. Timmons.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$2.25 to \$2.40.  
 Number of public lamps, 72.  
 Price received for public lamps, \$15.  
 Approximate annual output, 2,250,000.  
 Candle power, 18.  
 Operate Ft. Wayne Incandescent Electric System, 105 Street Lamps.

**Bellaire Gas and Electric Co., Bellaire.***Belmont County.*

Capital stock, \$.  
 Total bonds outstanding, \$.  
 President, Owen Meehan.  
 Treasurer,  
 Secretary, Miller Booth.  
 Purchasing Agent, Miller Booth.  
 Superintendent, John Ferguson.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.20 net.  
 Number of public lamps, 157.  
 Price received for public lamps,  
 Approximate annual output, 17,000,000.  
 Candle power, 16.  
 Operate Thomson-Houston Electric System, 40 Arc Lights.

**Bellefontaine Gas Co., Bellefontaine.***Logan County.*

(Works owned by the City.)  
 Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, Sidney Nichols.  
 Treasurer, Mark Nelson.  
 Secretary, Henry Kelley.  
 Purchasing Agent, R. H. Canby.  
 Superintendent, R. H. Canby.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps, 110.  
 Price received for public lamps, no charge.  
 Approximate annual output, 8,000,000.  
 Candle power, 18.

**Bucyrus Gas Light and Fuel Co., Bucyrus.***Crawford County.*

Capital stock, \$.  
 Total bonds outstanding, \$.  
 President, J. B. Gormly.  
 Treasurer, J. B. Gormly.  
 Secretary,  
 Purchasing Agent, J. W. Gwynn.  
 Superintendent, J. W. Gwynn.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 7,000.  
 Price of Gas in 1889, \$1.50 to \$2.  
 Number of public lamps,  
 Price received for public lamps,

Approximate annual output, 5,000,000.  
 Candle power, 22 to 24.  
 Operate Western Electric System, 83 Arc Lights.

**The Cadiz Gas Light Co., Cadiz.***Harrison County.*

Capital stock, \$24,000.  
 Total bonds outstanding, none.  
 President, John Conwell.  
 Treasurer, Richard Lyons.  
 Secretary, A. N. Hammond.  
 Purchasing Agent, A. N. Hammond.  
 Superintendent, A. N. Hammond.  
 Process of Manufacture, Coal.  
 Population, 2,000.  
 Price of Gas in 1889, \$1.60, \$1.80 and \$2.00.  
 Number of public lamps, 66.  
 Price received for public lamps, \$21.00.  
 Approximate annual output, 2,500,000.  
 Candle power, 18.

**Cambridge Gas Works, Cambridge.**

Treasurer, S. W. McMillin, Lessee.  
 Secretary, S. W. McMillin, Lessee.  
 Purchasing Agent, S. W. McMillin, Lessee.  
 Superintendent, S. W. McMillin, Lessee.  
 Process of Manufacture, Oil.  
 Population, 5,000.  
 Price of Gas in 1888, \$2.50 to \$3.00.

**Canton Gas Light and Coke Co., Canton.***Stark County.*

Capital stock, \$325,000.  
 Total bonds outstanding,  
 President, M. S. Greenough, Boston, Mass.  
 Treasurer, Chas. V. Grant, Phila., Pa.  
 Secretary, Chas. V. Grant, Phila., Pa.  
 Superintendent, Jos. M. Bate.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.35, with dis.  
 Number of public lamps, 500.  
 Price received for public lamps, \$15,000.  
 Approximate annual output, 45,000,000.  
 Candle power, 19.

**Chillicothe Gas and Water Co., Chillicothe.**

President, Wm. Poland.  
 Treasurer, A. C. Kopp.  
 Secretary, A. C. Kopp.  
 Purchasing Agent, F. A. C. Stacey.  
 Superintendent, F. A. C. Stacey.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1888, \$2.00, with dis.  
 Operate Brush Electric System, — Arc Lights;  
 United States Incandescent, — Lights.

**Cincinnati Gas Light and Coke Co., Cincinnati.***Hamilton County.*

Capital stock, \$6,500,000.  
 Total bonds outstanding, none.  
 President, Gen. Andrew Hickenlooper.  
 Treasurer, D. G. A. Davenport.  
 Secretary, Henry W. Sage.  
 Purchasing Agent, D. L. Bishop.  
 General Superintendent, N. G. Kenan.  
 Superintendent East Station, Wm. A. Miller.  
 Superintendent West Station, Frank Foster.  
 Process of Manufacture, Coal.

In Ohio the Gas Companies in the towns of Bellaire, Findlay, Hamilton, Hillsboro, Jackson, New Philadelphia, Ravenna, Washington and Youngstown operate the *Thomson-Houston Electric System*. See advertisement, page x.

Population, 300,000.  
 Price of Gas in 1889, \$1.25 and \$1.15.  
 Number of public lamps, 8,780.  
 Price received for public lamps, \$1.01 $\frac{2}{3}$  per M.  
 Approximate annual output 1,000,000,000.  
 Candle power, 18 $\frac{1}{2}$ .  
 Operate Ft. Wayne System Electric Lights, 500  
 Arc and 3,000 Incandescent.

#### **Circleville Gas Light and Coke Co., Circleville.**

*Pickaway County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$  
 President, Joseph P. Smith.  
 Treasurer, L. H. Sweetman.  
 Secretary, L. H. Sweetman.  
 Purchasing Agent,  
 Superintendent, J. L. Stribling.  
 Process of Manufacture,  
 Population, 8,000.  
 Price of Gas in 1889, \$1.75 to \$2.00.  
 Number of public lamps, 150.  
 Price received for public lamps, \$18.00.  
 Approximate annual output,  
 Candle power, 18.

#### **The Cleveland Gas Light and Coke Co., Cleveland.**

*Cuyahoga County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 President, J. H. Morley.  
 Secretary and Treasurer, C. H. Beardslee.  
 Purchasing Agent, C. R. Morley.  
 Superintendent, Wm. Christie.  
 Process of Manufacture, Coal.  
 Population, 260,000. (Supply East Side.)  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps, 3,400.  
 Price received for public lamps, \$18.54.  
 Approximate annual output,  
 Candle power,

#### **The People's Gas Light Co., Cleveland.**

*Cuyahoga County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Geo. H. Warnington.  
 Treasurer, J. M. Carrington.  
 Secretary, J. M. Carrington.  
 Purchasing Agent,  
 Superintendent, E. Lindsley.  
 Process of Manufacture, Coal.  
 Population, 80,000 (of West Side).  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps, 1,300.  
 Price received for public lamps, \$1.00.  
 Approximate annual output,  
 Candle power,

#### **Columbus Gas Light and Coke Co., Columbus.**

*Franklin County.*

Capital stock, \$720,000.  
 Total bonds outstanding, \$100,000.  
 President, P. W. Huntington.

Treasurer, A. B. Robinson.  
 Secretary, A. B. Robinson.  
 Purchasing Agent, Irvin Butterworth.  
 General Manager, Irvin Butterworth.  
 Process of Manufacture, Coal.  
 Population, 100,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 200,000,000.  
 Candle power, 19.

#### **The Coshocton Light, Fuel and Power Co., Coshocton.**

*Coshocton County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$15,000.  
 President, Houston Hay.  
 Treasurer, Saml. Irvine.  
 Secretary, Saml. Irvine.  
 Purchasing Agent, Saml. Irvine.  
 Superintendent, Chas. A. Marden.  
 Process of Manufacture, Coal.  
 Population, 4,500.  
 Price of Gas in 1889, \$1.80 and \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,500,000.  
 Candle power, 18 to 20.  
 Operate Fort Wayne Electric System, 150 Arc  
 Lights.

#### **The Dayton Gas Light and Coke Co., Dayton.**

*Montgomery County.*

Capital stock, \$600,000.  
 Total bonds outstanding, none.  
 President, R. R. Dickey.  
 Vice President, H. C. Graves.  
 Secretary, Geo. M. Smart.  
 Purchasing Agent,  
 Superintendent, Joseph Light.  
 Process of Manufacture, Coal and Lowe (by  
 Granger).  
 Population, 55,000.  
 Price of Gas in 1889, \$1.15 net.  
 Number of public lamps, 1,347.  
 Price received for public lamps, \$19.00.  
 Approximate annual report,  
 Candle power, 21 to 22.

#### **The Defiance Gas Co., Defiance.**

*Defiance County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, Fred. W. Le Sueur.  
 Treasurer, C. P. Harley.  
 Secretary, Andrew Sauer.  
 Purchasing Agent, Andrew Sauer.  
 Superintendent, W. E. Bellmer.  
 Process of Manufacture, Oil process.  
 Population, 10,000.  
 Price of Gas in 1889,  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

The *Thomson-Houston Company* was awarded the only Gold Medal given for Arc Lighting at the International Inventions Exhibition, London, August 11th, 1885. See advertisement, page x.



**Delaware Gas Light and Coal Oil Co., Delaware.***Delaware County.*

Capital stock, \$80,000.  
 Total bonds outstanding,  
 President, S. C. Jones.  
 Treasurer, Del. Co. Natl. Bank.  
 Secretary, J. M. Armstrong.  
 Purchasing Agent, J. M. Armstrong.  
 Superintendent, E. W. Schaaf.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, 200.  
 Price received for public lamps, \$12.00.  
 Approximate annual output, 12,000,000.  
 Candle power, 19.5.

**The Delphos Gas Light Co., Delphos.***Allen and Van West Counties.*

Capital stock, \$28,000.  
 Total bonds outstanding,  
 President, H. Weible.  
 Treasurer, J. F. McShane.  
 Secretary, J. F. McShane.  
 Purchasing Agent, J. F. McShane.  
 Superintendent, W. F. Brittingham.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 60.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 5,000,000.  
 Candle power, 18.

**East Liverpool Gas Light Co., East Liverpool.**

President, J. M. Kelly.  
 Treasurer, H. R. Hill.  
 Secretary, H. R. Hill.  
 Purchasing Agent, J. M. Kelly.  
 Superintendent, J. M. Kelly.  
 Process of Manufacture, Coal and Natural Gas.  
 Population, 8,000.

**Elyria Gas and Water Co., Elyria.***Lorain County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$75,000.  
 President, Geo. H. Ely.  
 Treasurer, D. M. Clark.  
 Secretary, D. M. Clark.  
 Purchasing Agent, D. M. Clark.  
 Superintendent, D. M. Clark.  
 Process of Manufacture, Lowe.  
 Population, 6,000.  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps, 86.  
 Price received for public lamps, \$11.00 and \$22.00.  
 Approximate annual output, 6,000,000.  
 Candle power, 18.

**The Fostoria Light and Power Co., Fostoria.***Seneca County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, A. E. Rood.

Treasurer, Wm. H. Cray.  
 Secretary, F. E. Seagroves.  
 Purchasing Agent,  
 Superintendent, William Oliver.  
 Process of Manufacture, Lowe (by McKay-Critchelow).  
 Population, 10,000.  
 Price of Gas in 1889, \$1.00 to \$1.77.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, estimated at 20,000 cub. feet per day.  
 Candle power, 22 to 24.  
 Operate Brush Electric System, 65 Arc Lights.

**Fremont Gas & Plumbing Co., Fremont.***Sandusky County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, C. O. Tillottson.  
 Treasurer,  
 Secretary, W. H. Ford.  
 Purchasing Agent,  
 Superintendent, Fred. Fabing.  
 Process of Manufacture, Oil and Natural Gas.  
 Population, 12,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle Power, 26.

**Galion Gas Light Co., Galion.***Crawford County.*

Capital stock, \$35,000.  
 Total bonds outstanding, none.  
 President, S. M. Highlands.  
 Treasurer, J. S. Kuhn.  
 Secretary, John R. Ellis.  
 Purchasing Agent,  
 Superintendent, John R. Ellis.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,500,000  
 Candle power, 17½.

**Gallipolis Gas and Coke Co., Gallipolis.***Gallia County.*

Capital stock, \$31,450.  
 Total bonds outstanding, none.  
 President, P. A. Sanns.  
 Treasurer, A. Henking.  
 Secretary, C. W. Henking.  
 Purchasing Agent, S. Witham.  
 Superintendent, S. Witham.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00, \$2.25, \$2.50 & \$3.00.  
 Number of public lamps, 106.  
 Price received for public lamps, \$2.00.  
 Approximate annual output, 3,000,000.  
 Candle power,

The *Thomson-Houston Electric Company* was one of the first to show Gas Companies that it was to their advantage to combine Gas and Electric Lighting. See advertisement, page x.

**The Mutual Gas Light Co., Glendale.***Hamilton County.*

Capital stock, \$10,000.  
 Total bonds outstanding, none.  
 President, J. P. McLaren.  
 Treasurer, Sam'l A. McCune.  
 Secretary, Sam'l A. McCune.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Naphtha.  
 Population, 2,500.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 120.  
 Price received for public lamps, \$16.66.  
 Approximate annual output,  
 Candle power, 17.

**The Greenville Gas Co., Greenville.***Sarke County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, John Devor.  
 Treasurer, Elijah Devor.  
 Secretary, Elijah Devor.  
 Purchasing Agent, Elijah Devor.  
 Superintendent, Edward Devor.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 127.  
 Price received for public lamps, \$25.00.  
 Approximate annual output, 6,000,000.  
 Candle power, 20.

**Hamilton Gas Light and Coke Co., Hamilton.***Butler County.*

Capital stock, \$61,600.  
 Total bonds outstanding,  
 President and Manager, Joseph Andrews.  
 Treasurer, D. H. Hensley.  
 Secretary, D. H. Hensley.  
 Purchasing Agent, Joseph Andrews.  
 Superintendent, W. J. Lynn.  
 Process of Manufacture, Coal.  
 Population, 18,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 505 gasolene.  
 Price received for public lamps,  
 Approximate annual output, 13,000,000.  
 Candle power, 16.  
 Operate Thomson-Houston Electric System, 50  
 Arc Lights.

**Hamilton Gas Works, Hamilton.***County.*

Capital stock, (Works owned by City).  
 Total bonds outstanding, \$150,000.  
 Trustees, Robt. Allstatter, Pres., Herman Reutti,  
 John Schwartz.  
 Secretary, Willard Smyers.  
 Purchasing Agent, President or Secretary.  
 Superintendent, none as yet.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of Gas in 1889,  
 Number of public lamps, 800.  
 Price received for public lamps, \$1.00 per M.  
 Approximate annual output, 50,000,000.  
 Candle power, 17.

**Hillsboro Gas and Electric Light Co., Hillsboro.***Highland County.*

Capital stock, \$20,000.  
 Total bonds outstanding,  
 President, C. W. Overman.  
 Treasurer, Jno. Strain.  
 Secretary, Geo. W. Bowers.  
 Purchasing Agent, Geo. W. Bowers.  
 Superintendent, Geo. W. Bowers.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,500,000.  
 Candle power, 16.  
 Operate Thomson-Houston Electric System, 62  
 Arc Lights.

**The Ironton Gas Co., Ironton.***Lawrence County.*

Capital stock, \$80,000.  
 Total bonds outstanding, none.  
 President, D. W. Richards.  
 Treasurer, W. W. Prichard.  
 Secretary, W. W. Prichard.  
 Purchasing Agent, W. W. Prichard.  
 Superintendent, W. W. Prichard.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1890, \$1.60 to \$1.30 light; \$1.33  
 stoves.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 8,500,000.  
 Candle power,

**Scioto Natural Gas and Oil Co., Kenton.***Hardin County.*

Capital stock, \$200,000.  
 Total bonds outstanding, none.  
 President, Thos. Espy.  
 Treasurer, J. M. White.  
 Secretary, W. S. Robinson.  
 Purchasing Agent, J. M. White.  
 Superintendent, W. A. Ross.  
 Process of Manufacture, Lowe (by McKay  
 Critchlow).  
 Population, 6,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 178.  
 Price received for public lamps, \$1.70 and \$1.00  
 per month.  
 Approximate annual output, 6,000,000.  
 Candle power, 24.

**Lancaster Gas Light and Coke Co., Lancaster.***Fairfield County.*

Capital stock, 50,000.  
 Total bonds outstanding, none.  
 President, George Matt.  
 Treasurer, J. D. Martin.  
 Secretary, Frank Matt.  
 Purchasing Agent, Geo. Matt.  
 Superintendent, Geo. Hite.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.

The reliability of the regulating feature of the *Thomson-Houston* *Dynamos* reduces the attention required to a minimum. See advertisement, page xx.

Number of public lamps, 72.  
 Price received for public lamps, \$16.00.  
 Approximate annual output, 8,000,000.  
 Candle power, 16.

**The Lebanon Light, Fuel and Power Co., Lebanon.**

*Warren County.*

Capital stock, \$40,000.  
 Total bonds outstanding,  
 President, Ellsworth Benham.  
 Treasurer, C. F. Coleman.  
 Secretary, Geo. B. Van Horn.  
 Purchasing Agent, Geo. B. Van Horn.  
 Superintendent, Ed. F. Dunham.  
 Process of Manufacture,  
 Population, 3,000.  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 16.  
 Operate Fort Wayne Incandescent Electric  
 System, 600 Lights.

**The Lima Gas Light Co., Lima.**

*Allen County.*

Capital stock, \$  
 Total bonds outstanding,  
 President, C. S. Brice.  
 Treasurer, H. M. Ernst.  
 Secretary, A. C. Baxter.  
 Manager, S. A. Baxter.  
 Superintendent, A. C. Ruchelderfer.  
 Process of Manufacture, Natural enriched and  
 Lowe (by Springer).  
 Population, 20,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 24.

**Logan Gas Light and Coke Co., Logan.**

*Hocking County.*

Capital stock, 30,000.  
 Total bonds outstanding, \$11,000.  
 President, Ferdinand F. Rempel.  
 Treasurer, L. A. Culver.  
 Secretary, F. F. Rempel, Jr.  
 Purchasing Agent, F. F. Rempel, Jr.  
 Superintendent, D. Phillips.  
 Process of Manufacture, Coal.  
 Population, 3,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 100.  
 Price received for public lamps, \$22.00.  
 Approximate annual output, 3,500,000.  
 Candle power, 18.

**London Gas Light Co., London.**

*Madison County.*

Capital stock, \$38,000.  
 Total bonds outstanding, none.  
 President, W. M. Jones.  
 Treasurer, G. G. Green.  
 Secretary, G. G. Green.  
 Purchasing Agent, Geo. H. Van Wagner.  
 Superintendent, Geo. H. Van Wagner.  
 Process of Manufacture,  
 Population, 4,000.  
 Price of Gas in 1889, \$1.50.

Number of public lamps, 163.  
 Price received for public lamps, \$18.00.  
 Approximate annual output, 4,800,000.  
 Candle power, 18.

**Mansfield Gas Light Co., Mansfield.**

*Richland County.*

Capital stock, \$90,000.  
 Total bonds outstanding, \$11,000.  
 President, L. A. Strong.  
 Treasurer, Jas. S. Hedges.  
 Secretary, W. C. Hedges.  
 Purchasing Agent, Geo. S. Harris.  
 Superintendent, Geo. S. Harris.  
 Process of Manufacture, Lowe (by McKay-  
 Critchlow).  
 Population, 18,000 to 20,000.  
 Price of Gas in 1889, \$1.25 light, \$1.00 fuel.  
 Number of public lamps, 42.  
 Price received for public lamps, \$13.00.  
 Approximate annual output, 18,000,000.  
 Candle power, 25.  
 Operate Weston Electric System, 108 Arc Lights

**Marion Gas Light Co., Marion.**

*Marion County.*

Capital stock, \$37,500.  
 Total bonds outstanding, none.  
 President, Ira Uhler.  
 Treasurer, T. P. Wallace.  
 Secretary, J. B. Fisher.  
 Purchasing Agent, J. B. Fisher.  
 Superintendent, J. B. Fisher.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 18.

**Marietta Gas Co., Marietta.**

*Washington County.*

Capital stock, \$25,000.  
 Total bonds outstanding, \$10,000.  
 President, Jno Mills.  
 Treasurer, W. L. Rolston.  
 Secretary, W. L. Rolston.  
 Purchasing Agent,  
 Superintendent, M. McMillin Lessee.  
 Process of Manufacture, Lowe (by McKay-  
 Critchlow).  
 Population, 7,000.  
 Price of Gas in 1889, \$1.80 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 4,000,000.  
 Candle power, 18 to 21.

**Massillon Gas Light Co., Massillon.**

*Stark County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$  
 President, Geo. Harsh, Massillon.  
 Treasurer, T. C. Hopper, Phila.  
 Secretary, A. Hopper, Massillon.  
 Purchasing Agent, A. Hopper, Massillon.  
 Superintendent, A. Hopper, Massillon.  
 Process of Manufacture, Coal.

The *Thomson-Houston System* gives a greater amount of light for a given expenditure of energy than any other system. See advertisement, page x.



Population, 11,000.  
 Price of Gas in 1889, \$1.50 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 7,000,000.  
 Candle power, 19.5.

**Mechanicsburg Gas Light Co., Mechanicsburg.**  
*Campaign County.*

Capital stock, \$15,000.  
 Total bonds outstanding, \$  
 President, Dr. J. H. Clark.  
 Treasurer, C. W. Williams.  
 Secretary, C. W. Williams.  
 Purchasing Agent, C. W. Williams.  
 Superintendent, T. J. Glendenning.  
 Process of Manufacture, Smith Goldthrop.  
 Population, 1,800.  
 Price of Gas in 1888, \$7.00, equivalent to \$1.40  
 for Coal Gas.  
 Number of public lamps, 39.  
 Price received for public lamps, \$22.  
 Approximate annual output,  
 Candle power,

**Middletown Gas Co., Middletown.**  
*Butler County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$31,000.  
 President, G. N. Clapp.  
 Treasurer, G. N. Clapp.  
 Secretary, E. W. Gunckel.  
 Purchasing Agent,  
 Superintendent, G. N. Clapp.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 8,000,000.  
 Candle power, 18.  
 Operate Sperry Arc Electric System, 48 Lights;  
 Edison Incandescent System, 800 Lights.

**Mt. Vernon Gas Light and Coke Co., Mt. Vernon.**  
*Knox County.*

Capital stock, \$45,000.  
 Total bonds outstanding, none.  
 President, Charles Cooper.  
 Treasurer, D. B. Kirk.  
 Secretary, D. B. Kirk.  
 Purchasing Agent, D. B. Kirk.  
 Superintendent, Geo. Taylor.  
 Process of Manufacture, Coal.  
 Population, 6,500.  
 Price of Gas in 1889, \$2.00 to \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 12,000,000.  
 Candle power, 18.

**The Newark Gas Light and Coke Co., Newark.**  
*Licking County.*

Capital stock, \$52,200.  
 Total bonds outstanding, none.  
 President, Jas. H. Smith.  
 Treasurer, Willis Robbins.  
 Secretary, Luther J. Johnson.  
 Purchasing Agent, Jas. H. Smith.

Superintendent, Jas. H. Smith.  
 Process of Manufacture, Coal.  
 Population, 18,000.  
 Price of Gas in 1889, \$2.25, discount 25c. to \$1.  
 Number of public lamps, 190.  
 Price received for public lamps, \$13.00.  
 Approximate annual output, 8,000,000.  
 Candle power, 16 to 18.  
 Operate United States Electric System, 50 Arc  
 Lights.

**The New Philadelphia Gas Light Co., New  
 Philadelphia.**

*Tuscarawas County.*

Capital stock, \$30,000.  
 Total bonds outstanding, none.  
 President, S. W. Pickering.  
 Treasurer, O. P. Taylor.  
 Secretary, O. P. Taylor.  
 Purchasing Agent, O. P. Taylor.  
 Superintendent, O. P. Taylor.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.75, discount 25%.  
 Number of public lamps, 78.  
 Price received for public lamps, \$16.00.  
 Approximate annual output, 2,000,000.  
 Candle power, 18 to 20.  
 Operate Thomson-Houston Electric System, 100  
 Arc Lights.

**Norwalk Gas Light Co., Norwalk.**

Capital stock, \$50,000.  
 Total bonds outstanding, \$10,000.  
 President, Chris. Tiebraun.  
 Treasurer, Frank Revere.  
 Secretary, J. A. Cooke.  
 Purchasing Agent, Paul Russell.  
 Superintendent,  
 Process of Manufacture, Lowe (by Flannery).  
 Population, 9,000.

**Oberlin Gas and Electric Co., Oberlin.**  
*Lorain County.*

Capital stock, \$20,000.  
 Total bonds outstanding,  
 President, A. H. Johnson.  
 Treasurer, H. L. Hurlburt.  
 Secretary, H. L. Hurlburt.  
 Purchasing Agent, H. L. Hurlburt.  
 Superintendent, H. L. Hurlburt.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas, \$1.50, \$1.75, \$2.00, \$2.50.  
 Number of public lamps, 37.  
 Price received for public lamps, \$15.00.  
 Approximate annual output, 2,000,000.  
 Candle power,

**Painesville Gas Light and Coal Co., Painesville.**  
*Lake County.*

Capital stock, \$40,000.  
 Total bonds outstanding, none.  
 President, J. W. Alexander,  
 Treasurer, Ralph K. Paige.  
 Secretary, Ralph K. Paige.  
 Purchasing Agent,  
 Superintendent, John W. Alexander.

The *Thomson-Houston Street System* is the only complete and perfect system of Street Lighting by Incandescent Lamps. See advertisement, page x.

Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$1.70.  
Number of public lamps, 5.  
Price received for public lamps, Meter at each.  
Approximate annual output, 5,500,000.  
Candle power, 19.

**Piqua Gas Light and Coke Co., Piqua.**

*Miami County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$  
President, D. C. Spinning.  
Treasurer, Piqua National Bank.  
Secretary, Richard Lee.  
Purchasing Agent,  
Superintendent, Jos. Light.  
Process of Manufacture, Coal.  
Population, 12,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 7,000,000.  
Candle power, 18.

**Portsmouth Gas and Electric Co., Portsmouth.**

*Scioto County.*

Capital stock \$100,000.  
Total bonds outstanding, \$  
President, Henry Padan.  
Treasurer, Henry Padan.  
Secretary, Herman Wilkiemeyer.  
Purchasing Agent, Herman Wilkiemeyer.  
Superintendent, Herman Wilkiemeyer.  
Process of Manufacture, Coal.  
Population, 15,000.  
Price of Gas in 1889, \$1.50 and \$1.75.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 16,000,000.  
Candle power, 18.  
Operate Ball Electric System, 70 Arc Lights.

**Ravenna Gas and Electric Light Co., Ravenna.**

*Portage County.*

Capital stock, \$37,200.  
Total bonds outstanding, \$10,000.  
President, Isiah Linton.  
Treasurer, W. H. Beebe.  
Secretary, W. H. Beebe.  
Purchasing Agents, W. H. Beebe, W. H. Linton.  
Superintendent, W. H. Linton.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, none.  
Price received for public lamps, none.  
Approximate annual output, 3,000,000.  
Candle power, 15.  
Operate Thomson-Houston Electric System, 50 Arc Lights.

**Ripley Gas Light and Coke Co., Ripley.**

*Brown County.*

Capital stock, \$20,000.  
Total bonds outstanding, none.

President, A. J. Stivers.  
Treasurer, S. B. Cradit.  
Secretary, J. C. Leggett.  
Purchasing Agent, S. B. Cradit.  
Superintendent, S. B. Cradit.  
Process or Manufacture, Coal.  
Population, 3,500.  
Price of Gas, in 1889, \$1.75; 1890, \$1.50.  
Number of public lamps, 80.  
Price received for public lamps, \$20.00.  
Approximate annual output, 1,250,000.  
Candle power, 20.

**Sandusky Gas Light Co., Sandusky.**

*Erie County.*

Capital stock, \$190,000.  
Total bonds outstanding, \$  
President, A. J. Stoll.  
Treasurer, A. W. Prout.  
Secretary, Thos. Wood.  
Purchasing Agent, Thos. Wood.  
Superintendent, Thos. Wood.  
Process of Manufacture, Loomis.  
Population, 25,000.  
Price of Gas in 1889, \$1.00 to \$1.60.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 20,000,000.  
Candle power, 21.  
Operate Brush Arc Electric System, 200 Lights;  
Westinghouse Incandescent System, 1000 Lights.

**Salem Gas Light Co., Salem.**

*Columbiana County.*

Capital stock, \$15,000.  
Total bonds outstanding, \$  
President, Allan Boyle.  
Treasurer, R. V. Hampson.  
Secretary, R. V. Hampson.  
Purchasing Agent, A. Boyle.  
Superintendent, A. Boyle.  
Process of Manufacture, Coal.  
Population, 6,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 4,000,000.  
Candle power,

**Sidney Gas Light Co., Sidney.**

*Shelby County.*

Capital stock, \$30,000.  
Total bonds outstanding, none.  
President, D. W. Pampell.  
Treasurer, Frank Hunter.  
Secretary, Frank Hunter.  
Purchasing Agent,  
Superintendent, M. O. Gwynn.  
Process of Manufacture, Coal.  
Population, 6,000.  
Price of Gas in 1889, \$1.65.  
Number of public lamps, 136.  
Price received for public lamps, \$20.00 per month  
Approximate annual output,  
Candle power, 18.

The Portsmouth, N. H., Gas Company says: "Nothing better than the *Thomson-Houston*." See advertisement, page x.

**Springfield Gas Light and Coke Co., Springfield.***Clark County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$  
 President, Gen. A. S. Bushnell.  
 Treasurer, Gen. A. S. Bushnell.  
 Secretary, James S. Goode.  
 Purchasing Agent, J. W. R. Cline.  
 Superintendent, Nath'l Kinsman.  
 Process of Manufacture, Coal.  
 Population, 40,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 809.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 55,000,000.  
 Candle power, 16.

**The Steubenville Gas and Electric Co., Steubenville.***Jefferson County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$  
 President, R. Sherrard, Jr.  
 Treasurer, Thomas Johnston.  
 Secretary, Geo. W. McCook.  
 Purchasing Agent, J. Gwynn.  
 Superintendent and General Mgr., J. Gwynn.  
 Process of Manufacture, Coal.  
 Population, 18,000.  
 Price of Gas in 1889, average \$1.35 less 10%.  
 Number of public lamps, 300.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 22,000,000.  
 Candle power, 18.  
 Western Electric Arc System, 270 Lights;  
 Westinghouse Incandescent 2,250 Lights.

**Tiffin Gas Light Co., Tiffin.***Seneca County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, G. E. Seney.  
 Treasurer, G. E. Seney.  
 Secretary, H. McCall.  
 Purchasing Agent, H. McCall.  
 Superintendent, H. McCall.  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population, 12,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 20.  
 Operate Western Electric System 150 Arc Lights.

**Toledo Gas Light and Coke Co., Toledo.***Lucas County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$  
 President, S. M. Young.  
 Treasurer,  
 Secretary, Thos. Biddle.  
 Purchasing Agent, C. R. Faben, Jr.  
 Superintendent, C. R. Faben, Jr.  
 Process of Manufacture, Coal and Lowe.  
 Population, 100,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 100,000,000.  
 Candle power, 18.

**The Troy Gas Co., Troy.***Miami County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, S. K. Statler.  
 Treasurer, R. A. Dittmar.  
 Secretary, R. A. Dittmar.  
 Purchasing Agent, R. A. Dittmar.  
 Superintendent, R. A. Dittmar.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.00 to \$1.10.  
 Number of public lamps, 79.  
 Price received for public lamps, \$2.00 per month.  
 Approximate annual output, 600,000.  
 Candle power,

**Upper Sandusky Gas Light Co., Upper Sandusky.***Wyandot County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 President, Jas. G. Roberts.  
 Treasurer, Frank A. Berry.  
 Secretary, Frank A. Berry.  
 Purchasing Agent, Frank A. Berry.  
 Superintendent, D. Walker.  
 Process of Manufacture, Oil.  
 Population, 5,000.  
 Price of Gas in 1889, \$7.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**The Urbana Gas Light and Coke Co., Urbana.***Champaign County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$  
 President, D. C. Spinning.  
 Treasurer, 3d National Bank.  
 Secretary, C. C. Kiefer, Jr.  
 Purchasing Agent, Joseph Light.  
 Superintendent, Joseph Light.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 110.  
 Price received for public lamps, \$24.00.  
 Approximate annual output, 10,000,000.  
 Candle power,

**The Van Wert Gas Light Co., Van Wert.***Van Wert County.*

Capital stock, \$37,500.  
 Total bonds outstanding, \$4,500.  
 President, Hiram C. Glenn.  
 Treasurer, M. B. Evers, Jr.  
 Secretary, J. M. Tyron.  
 Purchasing Agent, J. M. Tyron.  
 Superintendent, J. M. Tyron.  
 Process of Manufacture, Lowe (by Springer.)  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00, 10 % discount.  
 Number of public lamps, 54.  
 Price received for public lamps, \$24.00.  
 Approximate annual output, 5,000,000.  
 Candle power, 20.

Every user of the *Thomson-Houston System* testifies that it has no superior in the market. See advertisement, page x.



**Wapakoneta Gas Light Co., Wapakoneta.**

President, L. N. Blume.  
 Treasurer, Geo. Fisher.  
 Secretary, Jas. Wilson, Jr.  
 Purchasing Agent, L. N. Blume.  
 Superintendent, J. H. Shields.  
 Process of Manufacture, Oil.  
 Population, 4,000.  
 Price of Gas in 1888, \$1.40.

**Warren Gas Light Co., Warren.**

*Trumbull County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$  
 President, H. B. Perkins.  
 Treasurer, Geo. H. Tayler.  
 Secretary, Geo. H. Tayler.  
 Purchasing Agent,  
 Superintendent, Geo. H. Tayler.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$1.80.  
 Number of public lamps, 90.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 9,000,000.  
 Candle power, 17.

**The Washington Gas Light Co., Washington, C. H.**

*Fayette County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$8,500.  
 President, Morris Sharp.  
 Treasurer, Jerome Penn.  
 Secretary, Jerome Penn.  
 Purchasing Agent, Jerome Penn.  
 Superintendent, Jerome Penn.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.25, \$1.50, \$2.00.  
 Number of public lamps, 40 Gas, 65 Electric.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 7,000,000.  
 Candle power, 19.  
 Operate Thomson-Houston Electric System,  
 100 Arc Lights.

**Valley Gas Co., Wellsville.**

*Columbiana County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, James H. Riggs.  
 Treasurer, Wm. M. Hamilton.  
 Secretary, Wm. M. Hamilton.  
 Purchasing Agent, James H. Riggs.  
 Superintendent, James H. Riggs.  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population, 5,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Waterville Gas Co., Waterville.**

President, James Marston.  
 Treasurer, Peter Ullerich.  
 Secretary, Samuel Downs.

Purchasing Agent, Dunham.  
 Superintendent, Dunham.  
 Process of Manufacture,  
 Population, 528.  
 Price of Gas in 1889, \$16.00.

**The Wilmington Gas Light and Coke Co., Wilmington.**

*Clinton County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, H. G. Hamlin.  
 Treasurer, E. W. Hamlin.  
 Secretary, E. W. Hamlin.  
 Purchasing Agent, P. J. Wood.  
 Superintendent, P. J. Wood.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, 127.  
 Price received for public lamps, \$30.00.  
 Approximate annual output, 2,500,000,  
 Candle power, 22 to 25.

**Wooster Gas Light Co., Wooster.**

*Wayne County.*

Capital stock, \$60,000.  
 Total bonds outstanding, none.  
 President, John H. Kauke.  
 Treasurer, John H. Kauke.  
 Secretary, E. Flattery.  
 Purchasing Agent, John H. Kauke.  
 Superintendent, W. S. Leyburn.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$1.50 to \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 20.

**Xenia Gas Light Co., Xenia.**

President, J. H. Horfine.  
 Treasurer, J. D. Steete.  
 Secretary, J. D. Steete.  
 Purchasing Agent, Chas. A. Marden.  
 Superintendent, Chas. A. Marden.  
 Process of Manufacture,  
 Population, 9,000.  
 Price of Gas in 1889, \$2.00.

**Youngstown Gas Co., Youngstown.**

*Mahoning County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$  
 President, George Tod.  
 Treasurer, P. T. Caldwell.  
 Secretary, P. T. Caldwell.  
 Purchasing Agent,  
 Superintendent, M. Coombs.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.00 to \$1.50.  
 Number of public lamps, none.  
 Price for public lamps,  
 Approximate annual output,  
 Candle power, 16.  
 Operate Thomson-Houston Electric System,  
 297 Arc Lights.

Many Gas Companies have adopted the *Thomson-Houston System* thus indorsing the combination of Gas and Electric lighting interests. See advertisement, page x.

**Zanesville Gas Light Co., Zanesville.***Muskingum County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none,  
 President, M. M. Granger.  
 Treasurer, 1st National Bank.  
 Secretary, G. A. Allen,

Purchasing Agent, Eugene Printz.  
 Superintendent, Eugene Printz.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps, 115.  
 Price received for public lamps, \$1.25 per M.  
 Approximate annual output, 33,000,000.  
 Candle power, 18.

**OREGON.****Astoria Gas Light Co., Astoria.***Clatsop County.*

Capital stock, \$75,000.  
 Total bonds outstanding, \$  
 President, C. S. Wright.  
 Treasurer, I. W. Case.  
 Secretary, A. J. Megler.  
 Purchasing Agent,  
 Superintendent, G. O. Moen.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$3.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 3,000,000.  
 Candle power, 17.

Price received for public lamps,  
 Approximate output, 2,000,000.  
 Candle power, 20.

**Portland Gas Light Co., Portland.***Multnomah County.*

President, John Green.  
 Treasurer, G. B. Whitehouse.  
 Secretary, H. C. Leonard.  
 Purchasing Agent,  
 Superintendent, John Dudley.  
 Process of Manufacture, Coal.  
 Population, 35,000.  
 Price of Gas in 1888, \$2.50 to \$2.00.

**Salem Gas Light Co., Salem.***Marion County.*

Capital stock,  
 Total bonds outstanding,  
 President, D. Tuthill.  
 Treasurer, D. Tuthill.  
 Secretary and Manager, L. B. McClane.  
 Purchasing Agent,  
 Superintendent, L. B. McClane.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of gas in 1889, \$3.00 and \$3.50.  
 Number of public lamps, Electric.  
 Price received for public lamps,  
 Approximate annual output.  
 Candle power,

**East Portland Gas Light Co., East Portland.***Multnomah County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, Joseph Paquet.  
 Treasurer, Joseph Paquet.  
 Secretary, C. B. Bellinger.  
 Purchasing Agent, C. B. Bellinger.  
 Superintendent, E. W. James.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps,

**PENNSYLVANIA.****Allegheny Gas Co., Allegheny City.***Allegheny County.*

Capital stock, \$800,000.  
 Total bonds outstanding, none.  
 President, James McCutcheon.  
 Treasurer, Jas. Richey, Jr.  
 Secretary, Herbert Du Puy.  
 Purchasing Agent, Robert Young.  
 Superintendent, Robert Young.  
 Process of Manufacture, Coal, Lowe (by Granger)  
 and Natural Gas.  
 Population, 100,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps, 1,600.  
 Price received for public lamps, \$7.52 per meter.  
 Approximate annual output, 175,000,000.  
 Candle power, 20.

**Allentown Gas Co., Allentown.***Lehigh County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$150,000.  
 President, W. W. Gibbs.  
 Treasurer, E. C. Lee.  
 Secretary, E. C. Lee.  
 Purchasing Agent, Charles E. Morgan, Phila.  
 Superintendent, A. F. Bigelow.  
 Process of Manufacture, Lowe.  
 Population, 30,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 17,000,000.  
 Candle power, 22.

In Pennsylvania the Gas Companies in the towns of Ashland, Lock Haven, Mahanoy City, McKeesport, Norristown, Shenandoah and Warren operate the *Thomson-Houston Electric System*. See advertisement, page x.

**Altocna Gas Co., Altoona.***Blair County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, C. Jaggard.  
 Treasurer, W. D. Couch.  
 Secretary, W. S. Humes.  
 Purchasing Agent, T. W. Cole.  
 Superintendent, T. W. Cole.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$1.20.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 50,000,000.  
 Candle power, 17 and 18.

**Lower Marion Gas Co., Ardmore.**

President, W. L. Elkins.  
 Treasurer, W. L. Elkins, Jr.  
 Secretary, C. K. Robinson.  
 Purchasing Agent, W. L. Elkins, Jr.  
 Superintendent, J. W. Stirzel.  
 Process of Manufacture, Hanlon-Leadley.  
 Population,

**Ashland Gas Light Co., Ashland.***Schuylkill County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$15,000.  
 President, Jno. B. Price.  
 Treasurer, Nicholas Graber.  
 Secretary, Jno. Dence.  
 Purchasing Agent, Jno. B. Price.  
 Superintendent, Jno. B. Price.  
 Process of Manufacture, Cliff.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 26 Arc.  
 Price received for public lamps, \$125.00.  
 Approximate annual output, 4,320,000.  
 Candle power, 24 to 26.  
 Operate Thomson-Houston Electric System, 43  
 Arc Lights.

**Beaver Falls Gas Co., Beaver Falls.***Beaver County.*

Capital stock, \$75,000.  
 Total bonds outstanding, \$13,000.  
 President, Henry Hice.  
 Treasurer, Geo. S. Barker.  
 Secretary, John T. Reeves.  
 Purchasing Agent, H. F. Dillon.  
 Superintendent, H. F. Dillon.  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population, 12,000.  
 Price of Gas in 1889, \$1.00 net.  
 Number of public lamps, 60.  
 Price received for public lamps, \$1.00 per M.  
 Approximate annual output, 14,000,000.  
 Candle power, 18 to 20.

**Bellefonte Gas Light Co., Bellefonte.***Centre County.*

President, Daniel Rhoads.  
 Treasurer, Jno. P. Harris.  
 Secretary, E. M. Blanchard.

Purchasing Agent, Robt. McKnight.  
 Superintendent, Robt. McKnight.  
 Process of Manufacture, Coal.  
 Population, 4,000.

**The Bethlehem Gas Co., Bethlehem.***Northampton County.*

Capital stock, \$65,800.  
 Total bonds outstanding, \$  
 President, J. S. Krause.  
 Treasurer, J. M. Leibert.  
 Secretary, J. M. Leibert.  
 Purchasing Agent, J. M. Leibert.  
 Superintendent, A. H. Rauch.  
 Process of Manufacture, Lowe.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.80 and \$1.60.  
 Number of public lamps, 15.  
 Price received for public lamps, \$1.80 per M.  
 Approximate annual output, 8,500,000.  
 Candle power, 19.

**Bloomsburg Gas Co., Bloomsburg.***Columbia County.*

Capital stock, \$25,000.  
 Total bonds outstanding, \$  
 President, L. E. Waller.  
 Treasurer, B. F. Hartman.  
 Secretary, C. W. Miller.  
 Purchasing Agent, C. W. Miller.  
 Superintendent, W. V. Robbins.  
 Process of Manufacture, Patton.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps, 47.  
 Price received for public lamps, \$1.75.  
 Approximate annual output,  
 Candle power,

**Braddock Gas and Light Co., Braddock.***Allegheny County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, S. M. Highlands.  
 Treasurer, W. S. Kuhn.  
 Secretary, W. S. Kuhn.  
 Purchasing Agent, W. S. Kuhn.  
 Superintendent, W. W. McCleary.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$1.20.  
 Number of public lamps, 55.  
 Price received for public lamps, \$25.  
 Approximate annual output, 12,000,000.  
 Candle power, 17.  
 Operate Westinghouse Incandescent Electric  
 System, 700 Lights.

**Bristol Gas Light Co., Bristol.***Bucks County.*

President, Anthony Swain.  
 Treasurer, Samuel Swain.  
 Secretary, Samuel Swain.  
 Purchasing Agent, Jas. Buckman, S. E. cor.  
 Eighth and Green Street, Phila.  
 Superintendent, Geo. W. Booth.  
 Process of Manufacture, Oil.  
 Population, 7,000.

The *Thomson-Houston System* of Incandescent Lighting is superior to all others. See advertisement, page x.



**Brownsville Gas Co., Brownsville.**

*Fayette County.*

Capital stock, \$24,000.  
Total bonds outstanding, none.  
President, Jas. W. Jefferies.  
Treasurer, Wm. Parkhill.  
Secretary, Wm. Parkhill.  
Purchasing Agent, Wm. Parkhill.  
Superintendent, J. W. Jefferies.  
Process of Manufacture, Nat. Gas and Lima Oil.  
Population, 4,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 47.  
Price received for public lamps, \$15.  
Approximate annual output, 2,400,000.  
Candle power, 22.

**Carbondale Gas Co., Carbondale.**

*Lackawanna County.*

Capital stock, \$15,000.  
Total bonds outstanding, \$  
President, R. Manville.  
Treasurer, John F. Wheeler.  
Secretary,  
Purchasing Agent, John F. Wheeler.  
Superintendent, Geo. H. Moon.  
Process of Manufacture, Coal.  
Population, 12,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 3,000,000.  
Candle power, 25.

**Carlisle Gas and Water Co., Carlisle.**

*Cumberland County.*

Capital stock, \$100,000.  
Total bonds outstanding, \$  
President, Dr. W. W. Dale.  
Treasurer, Capt. J. B. Landis.  
Secretary, Capt. J. B. Landis.  
Purchasing Agent, C. E. Ramsey.  
Superintendent, C. E. Ramsey.  
Process of Manufacture, Lowe.  
Population, 10,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 7,000,000.  
Candle power,  
Operate American Arc Electric System, 100  
Lights; Thomson-Houston Incandescent Sys-  
tem, 1,300 Lights.

**Catasauqua Gas Co., Catasauqua.**

*Lehigh County.*

Capital stock, \$16,625.  
Total bonds outstanding, \$  
President, John Williams.  
Treasurer, David Davis.  
Secretary, David Davis.  
Purchasing Agent,  
Superintendent,  
Process of Manufacture, Lowe.  
Population, 3,300.  
Price of Gas in 1889, \$1.90 and \$1.80.  
Number of public lamps, 48.  
Price received for public lamps, \$1.80 per M.  
Approximate annual output, 400,000.  
Candle power, 17.

**Chambersburg Gas Light Co., Chambersburg.**

*Franklin County.*

Capital stock, \$49,000.  
Total bonds outstanding, \$  
President, S. M. Linn.  
Treasurer, H. Gehr.  
Secretary, H. Gehr.  
Purchasing Agent, H. Gehr.  
Superintendent, A. C. McGrath.  
Process of Manufacture, Lowe.  
Population, 8,000.  
Price of Gas in 1889, \$1.90.  
Number of public lamps, Electric.  
Approximate annual output, 3,500,000.  
Candle power, 22.

**Chester Gas Co., Chester.**

*Delaware County.*

Capital stock,  
Total bonds outstanding, none.  
President, I. R. Johnson.  
Treasurer, I. R. Johnson.  
Secretary, J. H. Roop.  
Superintendent, I. R. Johnson.  
Process of Manufacture, Coal.  
Population, 20,000.  
Price of Gas in 1889, \$1.70 net.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**The Clearfield Gas Light Co., Clearfield.**

*Clearfield County.*

Capital stock, \$30,000.  
Total bonds outstanding, \$  
President, W. W. Betts.  
Treasurer, H. B. Powell.  
Secretary, H. B. Powell.  
Purchasing Agent,  
Superintendent, B. F. Bickle.  
Process of Manufacture, Coal.  
Population, 3,000.  
Price of Gas in 1889, \$1.20.  
Number of public lamps, 22.  
Price received for public lamps, \$1.15 per night.  
Approximate annual output.  
Candle power, 16.

**The Coatsville Gas Co., Coatsville.**

*Chester County.*

Capital stock, \$50,000, paid up \$30,000.  
Total bonds outstanding, none.  
President, Wm. H. Gibbons.  
Treasurer, H. J. Beanson.  
Secretary, H. J. Beanson.  
Purchasing Agent, Wm. H. Gibbons.  
Superintendent, J. Frank Bowen.  
Process of Manufacture, Coal.  
Population, 3,000.  
Price of Gas in 1889, \$2.50 and \$2.00.  
Number of public lamps, 38.  
Price received for public lamps, \$2.00 per 1,000  
Approximate annual output, 1,500,000.  
Candle power, 16.

The *Thomson-Houston Incandescent Dynamo* is automatic in operation under all changes of load. See advertisement, page x.

**Columbia Gas Co., Columbia.***Lancaster County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$  
 President, James A. Meyers.  
 Treasurer, Joseph Janson.  
 Secretary, Joseph Janson.  
 Purchasing Agent,  
 Superintendent, Robert Beacham.  
 Process of Manufacture, Lowe.  
 Population, 10,000.  
 Price of Gas in 1889, \$2 net.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Connellsville and New Haven Gas and Water Co., Connellsville.***Fayette County.*

Capital stock, \$35,000.  
 Total bonds outstanding, none.  
 President, J. T. McCormick.  
 Treasurer, J. A. Armstrong.  
 Secretary, J. A. Armstrong.  
 Purchasing Agent, J. A. Armstrong.  
 Superintendent, J. A. Armstrong.  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population, 6,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps.  
 Approximate annual output, 5,000,000.  
 Candle power, 18 to 20.

**The Corry Gas and Water Co., Corry.***Erie County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$25,000.  
 President, A. M. Kent.  
 Treasurer, C. H. Wetmore.  
 Secretary, G. O. King.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, McKay-Critchlow.  
 Population, 8,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 102.  
 Price received for public lamps, \$18.00.  
 Approximate annual output,  
 Candle power, 23 to 30.

**Conshohocken Gas Light Co., Conshohocken.***Montgomery County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$15,000.  
 President, Frederick Light.  
 Treasurer, Wm. McDermott.  
 Secretary, Henry M. Tracy.  
 Purchasing Agent, Richard Bate.  
 Superintendent, John K. Light.  
 Process of Manufacture, Lowe.  
 Population, 9,000.  
 Price of Gas in 1889, \$1.80.  
 Number of public lamps.  
 Price received for public lamps,  
 Approximate annual output, 5,700,000.  
 Candle power, 20 to 24.

**Consumers' Gas Co., Danville.***Montour County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Jno. R. Bennett.  
 Treasurer, R. M. Grove.  
 Secretary, R. M. Grove.  
 Purchasing Agent, J. T. Cowling.  
 Superintendent, J. T. Cowling.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 31 Acres, 70 Inc.  
 Price received for public lamps, \$3,600 per year.  
 Approximate annual output, 180,000.  
 Candle power, 16.  
 Operate Excelsior and American Arc Electric Systems, 160 Lights; Ft. Wayne Alternating Incandescent System, 500 Lights.

**Darby Gas Co., Darby.***Delaware County.*

Capital stock, \$20,000.  
 Total bonds outstanding, \$  
 President, Wm. H. Whitley.  
 Treasurer, W. Lane Verlenden.  
 Secretary, W. Lane Verlenden.  
 Purchasing Agent, W. Lane Verlenden.  
 Superintendent, Chas. F. Cattell.  
 Process of Manufacture, Coal.  
 Population, 2,500.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 15.  
 Price received for public lamps, \$2.00 per M.  
 Approximate annual output, 2,735,300.  
 Candle power, 18.

**Downingtown Gas Works, Downingtown.**

Capital stock, \$  
 Total bonds outstanding, \$  
 President,  
 Treasurer, Edward Sellers.  
 Secretary,  
 Purchasing Agent,  
 Superintendent, John Knauer.  
 Process of Manufacture, Brooks.  
 Population, 7,000.  
 Price of Gas in 1889, \$1.50.  
 Number of Public lamps, 50.  
 Price received for public lamps, \$12.50.  
 Approximate annual output,  
 Candle power, 24.

**Doylestown Gas Co., Doylestown.***Bucks County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, James Kane, owner.  
 Treasurer, James Kane.  
 Secretary, James Kane, Jr.  
 Purchasing Agent, James Kane.  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 3,500.  
 Price of gas in 1889, \$3.00.  
 Number of public lamps, 84.  
 Price received for public lamps, \$1.82 per month.  
 Approximate annual output,  
 Candle power,

The regulation of the *Thomson-Houston Arc Dynamo* is such that the extinguishment of one or more lamps is followed by a corresponding decrease in power required at the dynamo. See advertisement, page x.

**Easton Gas Co., Easton.**

*Northampton County.*

Capital stock,  
Total bonds outstanding,  
President, Samuel Boileau.  
Treasurer, Edward Hilliard.  
Secretary, Wm. G. Stewart.  
Purchasing Agent,  
Superintendent, Nelson Hoyt.  
Process of Manufacture, Coal.  
Population, 20,000.  
Price of Gas in 1889, \$1.80 net.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 17.

**The Erie Gas Co., Erie.**

*Erie County.*

Capital stock, \$258,975.  
Total bonds outstanding, none.  
President, Charles M. Reed.  
Treasurer, Walter Scott.  
Secretary, Walter Scott.  
Purchasing Agent, Walter Scott.  
Superintendent, W. H. Hill.  
Process of Manufacture, Coal and Lowe (by Granger).  
Population, 36,000.  
Price of Gas in 1889, \$1.50 net.  
Number of public lamps, 635.  
Price received for public lamps, \$20.  
Approximate annual output 35,000,000.  
Candle power, 20.

**The Franklin Gas Co., Franklin.**

*Venango County.*

Capital stock, \$65,950.  
Total bonds outstanding.  
President, Hon. C. W. Gilfillan.  
Treasurer, Harry Lamberton.  
Secretary, James Miller.  
Purchasing Agent, C. W. Gilfillan.  
Superintendent, C. W. Gilfillan.  
Process of Manufacture, Lowe (by McKay-Critchlow).  
Population, 8,000.  
Price of Gas in 1889, \$1.00 net.  
Number of public lamps, 73.  
Price received for public lamps, \$1.50 per M.  
Approximate annual output, 9,000,000.  
Candle power, 20.

**Freeport Gas Light Co., Freeport.**

*Armstrong County.*

Capital stock,  
Total bonds outstanding,  
President, J. A. McCulloch.  
Treasurer, J. A. McCulloch.  
Secretary,  
Purchasing Agent,  
Superintendent, M. F. Richards.  
Process of Manufacture,  
Population, 2,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps,  
Price received for public lamps.  
Approximate annual output,  
Candle power,

**Gettysburg Gas Co., Gettysburg.**

*Adams County.*

Capital stock, \$15,000.  
Total bonds outstanding, none.  
President, Prof. E. S. Breidenbaugh.  
Treasurer, C. S. Duncan.  
Secretary, C. S. Duncan.  
Purchasing Agent, E. S. Breidenbaugh.  
Superintendent, G. W. Barbrehenn.  
Process of Manufacture, Coal.  
Population, 3,000.  
Price of Gas in 1889, \$2.00 and \$1.75.  
Number of public lamps,  
Price received for public lamps, \$1.75 per 1,000.  
Approximate annual output, 2,500,000.  
Candle power, 16 to 18.

**Greensburg Gas Co., Greensburg.**

*Westmoreland County.*

Capital stock, \$36,000.  
Total amount outstanding, none.  
President and Superintendent, James C. Clark.  
Treasurer, George F. Huff.  
Secretary, Jacob Tumey.  
Purchasing Agent, James C. Clark.  
Assistant Superintendent, John E. Clarke.  
Process of Manufacture, Natural Gas and Lowe (by McKay-Critchlow).  
Population, 6,000.  
Price of Gas in 1889, 13 cts. per 100 ft.,  
Number of public lamps (lighted by natural Gas).  
Price received for public lamps, 80 cts. per mo.  
Approximate annual output, 4,000,000.  
Candle power, 16.

**Greenville Gas Co., Greenville.**

*Mercer County.*

Capital stock, \$25,000.  
Total bonds outstanding,  
President, C. R. Wray.  
Treasurer, H. N. Shrom.  
Secretary, G. B. Chase.  
Purchasing Agent, H. N. Shrom.  
Superintendent, H. N. Shrom.  
Process of Manufacture, Coal.  
Population, 4,500.  
Price of Gas in 1889, \$1.50 with dis.  
Number of public lamps, 64.  
Price received for public lamps, regular.  
Approximate annual output,  
Candle power, 18.

**Girardville Gas Co., Girardville.**

*Schuylkill County.*

Capital stock, \$30,000.  
Total bonds outstanding, \$15,000.  
President, Lewis Bliss.  
Treasurer, E. K. Becker.  
Secretary, J. M. Glick.  
Purchasing Agent, J. M. Glick.  
Superintendent, William Bracy.  
Process of Manufacture, Lowe.  
Population, 4,000.  
Price of Gas in 1889, 80 cents.  
Number of public lamps, 53.  
Price received for public lamps, \$18.00.  
Approximate annual output, 240,000.  
Candle power, 22.

The *Thomson-Houston Incandescent Lamps* have, under repeated tests, burned two or three times their guaranteed life without any blackening of the bulbs or diminution of the candle power. See advertisement, page x.



**Hanover Gas Co., Hanover.***York County.*

Capital stock, \$18,200.  
 Total bonds outstanding, \$7,000.  
 President, A. W. Eichelberger.  
 Treasurer, Geo. N. Forney.  
 Secretary, L. F. Melsheimer.  
 Purchasing Agent, Geo. N. Forney.  
 Superintendent, Wm. Engelstein.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 104.  
 Price received for public lamps, \$1.10 per month.  
 Approximate annual output, 1,925,000.  
 Candle power, 18.

**Harrisburg Gas Co., Harrisburg.***Dauphin County.*

(Operated by the United Gas Improvement Company, Philadelphia.)  
 Capital stock, \$200,000.  
 Total bonds outstanding, none.  
 President, George W. Reily.  
 Treasurer, F. Asbury Awl.  
 Secretary, J. Wesley Awl.  
 Purchasing Agent, C. E. Morgan, Phila.  
 Superintendent, Wm. G. Chandler.  
 Process of Manufacture, Lowe.  
 Population, 40,000.  
 Price of Gas in 1889, \$1.50 to \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 37,943,200.  
 Candle power, 23.

**People's Gas and Gaseous Fuel Co., Harrisburg.**

(Operated by the United Gas Improvement Co.)  
 Capital stock, \$260,000.  
 Total bonds outstanding, \$50,000.  
 President, David Fleming.  
 Treasurer, George R. Fleming.  
 Secretary, George R. Fleming.  
 Purchasing Agent, Charles E. Morgan, Drexel Building, Phila.  
 Superintendent, W. G. Chandler.  
 Process of Manufacture, Lowe.  
 Population, 40,000.  
 Price of Gas in 1889, \$2.00, with disc.  
 Number of public lamps, none.  
 Price received for public lamps.  
 Approximate annual output (shown on Harrisburg Gas Co. report).  
 Candle power, 23.

**Hazleton Gas Co., Hazleton.***Luzerne County.*

Capital stock, \$45,000.  
 Total bonds outstanding,  
 President, David Clark.  
 Treasurer, A. Pardee.  
 Secretary, A. Pardee.  
 Purchasing Agent, A. P. Platt.  
 Superintendent, John L. Mayer.  
 Process of Manufacture, Lowe.  
 Population, 13,000.  
 Price of Gas in 1889, \$2.00  
 Number of public lamps, none.

Price received for public lamps,  
 Approximate annual output, 4,800,000.  
 Candle power, 25.

**Hollidaysburg Water and Gas Co., Hollidaysburg.***Blair County.*

President, William Williams.  
 Treasurer, Hon. Jas. Gardner.  
 Secretary, Hon. A. S. Landis.  
 Purchasing Agent, William Williams.  
 Superintendent, T. B. Williams.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1888, \$2.00.

**Honesdale Gas Co., Honesdale.***Wayne County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 Lessees, A. O. Granger & Co.  
 President, Edwin F. Torrey.  
 Treasurer, Hon. John Torrey.  
 Secretary, Henry Z. Russell.  
 Purchasing Agent, Percy E. Gerould.  
 Superintendent, Percy E. Gerould.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 7,000.  
 Price of Gas in 1889, \$2.25.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**The Huntingdon Gas Co., Huntingdon.***Huntingdon County.*

Capital stock, \$22,250.  
 Total bonds outstanding, \$11,150.  
 Lessee, B. Franklin Africa.  
 President, J. Simpson Africa.  
 Treasurer, B. Franklin Africa.  
 Secretary, B. Franklin Africa.  
 Purchasing Agent, B. Franklin Africa.  
 Superintendent, B. Franklin Africa.  
 Process of Manufacture, Lowe.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50, 20 % discount.  
 Number of public lamps, 50 gas, 48 gasoline.  
 Price received for public lamps, \$12.00.  
 Approximate annual output, 5,000,000.  
 Candle power, 20.

**Indiana Gas Light Co., Indiana.***Indiana County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, S. McCartney.  
 Treasurer, G. P. McCartney.  
 Secretary, G. P. McCartney.  
 Purchasing Agent, G. P. McCartney.  
 Superintendent, G. P. McCartney.  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population, 4,500.  
 Price of Gas in 1889, \$1.00 to \$1.50.  
 Number of public lamps, 60.  
 Price received for public lamps, \$1.25.  
 Approximate annual output, 3,500,000.  
 Candle power, 22.

The same characteristics of excellence are maintained in all the details as are shown in the *Thomson-Houston Dynamo*. See advertisement, page x.

**Jersey Shore Gas Works, Jersey Shore.**

*Lycoming County.*

Capital stock, \$11,000.  
Total bonds outstanding, private.  
President, Isaac P. Raup.  
Treasurer,  
Secretary, E. B. Raup.  
Purchasing Agent,  
Superintendent, I. P. Raup.  
Process of Manufacture, J. D. Patton's.  
Population, 2,000.  
Price of Gas in 1889, \$1.75.  
Number of public lamps, 31.  
Price received for public lamps, \$1.50 per month.  
Approximate annual output, 900,000.  
Candle power, 22.

**Johnstown Water and Gas Co., Johnstown.**

*Cambria County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.  
President, Dr. John Lowman.  
Treasurer, Jno. D. Roberts.  
Secretary, W. L. Shryock.  
Purchasing Agent,  
Superintendent, James Williams.  
Process of Manufacture, Lowe (by Granger).  
Population, 30,000.  
Price of Gas in 1889, \$1.20.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 30,000,000.  
Candle power, 21.

**Kittanning Gas Co., Kittanning.**

*Armstrong County.*

Capital stock, \$20,000.  
Total bonds outstanding, \$6,500.  
President, J. A. Colwell.  
Treasurer, Geo. T. Crawford.  
Secretary, Geo. T. Crawford.  
Purchasing Agent, Geo. T. Crawford.  
Superintendent, Geo. T. Crawford.  
Process of Manufacture, Coal.  
Population, 3,000.  
Price of Gas in 1889, \$2.00, 5 per cent. discount.  
Number of public lamps, 44.  
Price received for public lamps, supplied by  
Natural Gas Co.  
Approximate annual output, 500,000.  
Candle power, 16.

**Lancaster Gas Light and Fuel Co., Lancaster.**

*Lancaster County.*

Capital stock, \$200,000.  
Total bonds outstanding, \$209,900.  
President, H. Baumgardner.  
Treasurer, J. H. Baumgardner.  
Secretary, J. H. Baumgardner.  
Purchasing Agent, J. H. Baumgardner.  
Superintendent, W. M. Lane.  
Process of Manufacture, Lowe.  
Population, 30,000.  
Price of Gas in 1889, \$1.80.  
Number of public lamps, 200.  
Price received for public lamps, \$24.00.  
Approximate annual output, 50,000,000.  
Candle power, 22.

**Latrobe Gas Co., Latrobe.**

*Westmoreland County.*

Capital stock, \$20,000.  
Total bonds outstanding, \$  
President, S. H. Baker.  
Treasurer, R. B. Pepperday.  
Secretary, R. B. Pepperday.  
Purchasing Agent, R. B. Pepperday.  
Superintendent, R. B. Pepperday.  
Process of Manufacture, Oil.  
Population, 6,000.  
Price of Gas in 1889, \$1.10.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**Lebanon Gas Co., Lebanon.**

*Lebanon County.*

Capital stock, \$80,000.  
Total bonds outstanding, none.  
President, T. T. Worth.  
Treasurer, John W. Mish.  
Secretary, John W. Mish.  
Purchasing Agent, John W. Mish.  
Superintendent, Peter Geiger.  
Process of Manufacture, Coal.  
Population, 15,000.  
Price of Gas in 1889, average \$2.32.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 7,500,000.  
Candle power, 16 to 19.

**Lewisburg Gas Works, Lewisburg.**

*Union County.*

President, John Walls.  
Treasurer, W. S. Halfpenny.  
Secretary, W. S. Halfpenny.  
Purchasing Agent,  
Superintendent, J. F. Duncan.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1888, \$2.00 to \$2.50.

**Lewistown Gas Light Co., Lewistown.**

*Mifflin County.*

Capital stock, \$19,800.  
Total bonds outstanding, \$20,000.  
President, John E. Shaw, 333 Walnut street,  
Phila.  
Treasurer, Geo. L. Russell.  
Secretary, Charles A. Zerbe, Lewistown, Pa.  
Purchasing Agent, John E. Shaw, 333 Walnut  
street, Phila.  
Superintendent, John W. Fulmer.  
Process of Manufacture, Lowe.  
Population, 4,000.  
Price of Gas in 1889, \$2.00, 5% discount.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power, 24.

The problem of long distance incandescent lighting is successfully solved by the *Thomson-Houston Transformer System*. See advertisement, page x.

**Lock Haven Gas Co., Lock Haven.***Clinton County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, Samuel Christ.  
 Treasurer, W. S. Harris.  
 Secretary, W. S. Harris.  
 Purchasing Agent, W. S. Harris.  
 Superintendent, David McClelland.  
 Process of Manufacture, Coal.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, 48.  
 Price received for public lamps, \$15,  
 Approximate annual output, 5,500,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System, 75  
 Arc Lights.

**McKeesport Gas Co., McKeesport.***Allegheny County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, W. Dewees Wood.  
 Treasurer, John F. Davitt.  
 Secretary, John F. Davitt.  
 Purchasing Agent,  
 Superintendent, Wm. C. Neemes.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of Gas in 1889, \$1.25, 10% discount.  
 Number of public lamps, 188.  
 Price received for public lamps, \$1.25 per  
 month,  
 Approximate annual output, 12,000,000.  
 Candle power, 18 to 22.  
 Operate Thomson-Houston Electric System, 75  
 Arc Lights.

**Mahanoy City Gas Co., Mahanoy City.***Schuylkill County.*

President, E. S. Silliman.  
 Treasurer, W. L. Yoder.  
 Secretary, Andrew Comrey.  
 Purchasing Agent, Andrew Comrey.  
 Superintendent, Andrew Comrey.  
 Process of Manufacture, Naphtha.  
 Population, 10,000.  
 Price of Gas in 1888, \$1.30.  
 Operate Thompson-Houston Electric System,  
 75 Arc Lights.

**Mauch Chunk Gas Co., Mauch Chunk.***Carbon County.*

Capital stock, \$45,000.  
 Total bonds outstanding, none.  
 President, A. G. Broadhead.  
 Treasurer, S. O. Smith.  
 Secretary, S. O. Smith.  
 Purchasing Agent, A. G. Broadhead.  
 Superintendent, E. R. Enbody.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 22.  
 Price received for public lamps, \$1.60 per month.  
 Approximate annual output, 5,000,000.  
 Candle power, 22.

**Meadville Gas & Water Co., Meadville.***Crawford County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, William Reynolds.  
 Treasurer, Sam'l B. Dick.  
 Secretary, Sturges T. Dick.  
 Purchasing Agent, Geo. S. Cullum.  
 Superintendent, Geo. S. Cullum.  
 Process of Manufacture, Lowe (McKay-Critch-  
 low).  
 Population, 10,000.  
 Price of Gas in 1889, \$1.25.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 18.

**Mechanicsburg Gas & Water Co., Mechanicsburg.***Cumberland County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$19,300.  
 President, Joseph Leas, Esq.  
 Treasurer, J. C. Bowman.  
 Secretary, J. C. Bowman.  
 Purchasing Agent,  
 Superintendent, Andrew Siefert.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Media Gas Light Co., Media.***Delaware County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 President, Isaac Worrall.  
 Treasurer, V. G. Robinson.  
 Secretary, Horace Green.  
 Purchasing Agent, Isaac Worrall.  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 40.  
 Price received for public lamps, \$23.00.  
 Approximate annual output, 6,000,000.  
 Candle power, 17 to 19.

**Middletown Gas Light Co., Middletown.***Dauphin County.*

Capital stock, \$25,000.  
 Total bonds outstanding, none.  
 President, John W. Rife.  
 Treasurer, H. C. Stehman.  
 Secretary, Jos. H. Nisley.  
 Purchasing Agent, Jos. H. Nisley.  
 Superintendent, George P. Campbell.  
 Process of Manufacture, Naphtha.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 54.  
 Price received for public lamps, \$16.75.  
 Approximate annual output, 2,000,000.  
 Candle power,

The *Thomson-Houston Arc Lamps* burn with absolute quietness and freedom from hissing and are perfectly self adjusting. See advertisement, page x.



**Milton Gas Light Co., Milton.**

*Northumberland County.*

Capital stock, \$30,000.  
Total bonds outstanding, none.  
President, R. F. Wilson.  
Treasurer, C. F. Follmer.  
Secretary, C. F. Follmer.  
Purchasing Agent, C. F. Follmer.  
Superintendent, James R. Chapin.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$2.50, 20% discount.  
Number of public lamps, 41.  
Price received for public lamps, \$20.00.  
Approximate annual output, 3,700,000.  
Candle power, 18.

**Monongahela City Gas Light Co., Monongahela City.**

*Washington County.*

Capital stock, \$30,000.  
Total bonds outstanding, none.  
President, Wm. J. Alexander.  
Treasurer, J. B. Finley.  
Secretary, J. A. Herron.  
Purchasing Agent, J. B. Finley.  
Superintendent, Henry Elliott.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1889, \$1.00 to \$1.50.  
Number of public lamps, 50.  
Price received for public lamps, \$12.00.  
Approximate annual output, 3,000,000.  
Candle power, 18.

**Mount Joy Gas Light Co., Mount Joy.**

*Lancaster County.*

Capital stock, \$  
Total bonds outstanding, none.  
President, Henry Steck.  
Treasurer, L. P. Lowe.  
Secretary, L. P. Lowe.  
Purchasing Agent, A. M. Snyder.  
Superintendent, J. W. Roland.  
Process of Manufacture, Lowe.  
Population, 2,000.  
Price of Gas in 1889, \$2.00.  
Number of Public Lamps,  
Price received for Public Lamps,  
Approximate annual output,  
Candle power, 21.

**Mt. Pleasant Gas Co., Mt. Pleasant.**

*Westmoreland County.*

Capital stock, \$20,000.  
Total bonds outstanding, none.  
President, Samuel Warden.  
Treasurer, John Shope.  
Secretary, J. S. Braddock.  
Purchasing Agent,  
Superintendent, Rob. Lamb.  
Process of Manufacture, Smith-Goldthorp.  
Population, 3,000.  
Price of Gas in 1889, \$1.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 16,000.  
Candle power, do not know.

**Lawrence Gas Co., New Castle.**

*Lawrence County.*

Capital stock, \$100,000.  
Total bonds outstanding, \$  
President, J. B. Finley.  
Treasurer, J. B. Finley.  
Secretary, D. T. Flick.  
Purchasing Agent, D. T. Flick.  
Superintendent, D. T. Flick.  
Process of Manufacture, Lowe (by McKay-Critchlow).  
Population, 15,000.  
Price of Gas in 1889, \$1.50 net.  
Number of public lamps, 180.  
Price received for public lamps, \$13.00.  
Approximate annual output, 12,000,000.  
Candle power, 20.

**Newtown Gas and Water Co., Newtown.**

President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, 1,000.

**The Norristown Gas Co., Norristown.**

*Montgomery County.*

Capital stock, \$150,000.  
Total bonds outstanding, none.  
President, Hon. James Boyd.  
Treasurer, John Slingluff.  
Secretary, H. S. Sechler.  
Purchasing Agent, John Slingluff.  
Superintendent, John Slingluff.  
Process of Manufacture, Coal.  
Population, 20,000.  
Price of Gas in 1889, \$1.60 and \$1.25.  
Number of public lamps, 140.  
Price received for public lamps, \$21.  
Approximate annual output,  
Candle power,  
Operate Thomson-Houston Electric System, 75  
Arc Lights.

**Oil City Gas Co., Oil City.**

President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, 10,000.

**Orwigsburg Gas Co., Orwigsburg.**

President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Suderintendent,  
Process of Manufacture,  
Population, 1,000.

**Philadelphia Gas Works, Philadelphia.**

(BUREAU OF GAS, DEPARTMENT PUBLIC WORKS.)

*Philadelphia County.*

Director Dept. Public Works, Louis Wagner.  
Chief of Bureau, William K. Park.

In no case where the *Thomson-Houston Electric Company* competed for honors has it failed to receive the highest award. See advertisement, page x.

Ass't to Chief and Purchasing Agent, Alex. J. McCleary.  
 Process of Manufacture, Coal and Lowe (by Hanlon-Leadley.)  
 Population, 1,000,000.  
 Price of Gas in 1889, \$1.50 per 1,000 cubic feet.  
 Number of public lamps, 18,000 gas and 6,000 gasoline.  
 Price received for public lamps, Gas furnished free of cost.  
 Approximate annual output, 2,250,000,000 Coal Gas, 925,000,000 Water Gas.  
 Candle power, 20.07 candles in 1889.

#### Northern Liberties Gas Co., Philadelphia.

*Philadelphia County.*

Capital stock, \$475,000.  
 Total bonds outstanding, none.  
 President, Philip H. Horn.  
 Treasurer, Wm. P. Fodell.  
 Secretary, Wm. P. Fodell.  
 Purchasing Agent, none.  
 Superintendent, John W. Smith.  
 Process of Manufacture, Coal.  
 Population, not known.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 380.  
 Price received for public lamps, 75 cents per M.  
 Approximate annual output, 90,000,000.  
 Candle power, 16.

#### Manayunk Gas Light Co., Manayunk. (Phila.)

*Philadelphia County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, T. S. C. Lowe.  
 Treasurer, L. P. Lowe.  
 Secretary, A. M. Snyder.  
 Purchasing Agent, A. M. Snyder.  
 Superintendent, A. Vice.  
 Process of Manufacture, Lowe.  
 Population,  
 Price of Gas in 1889, \$1.25 net.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 22.

#### Philpsburg Electric Light, Gas, Power and Heating Co., Philipsburg.

*Centre County.*

Capital stock, \$42,000.  
 Total bonds outstanding, \$15,000.  
 President, J. N. Casanova.  
 Treasurer, Wm. P. Duncan.  
 Secretary, O. Perry Jones.  
 Purchasing Agent,  
 Superintendent, Guillermo Lawrence.  
 Process of Manufacture,  
 Population, 5,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power.  
 Operate United States Electric System, 25 Arc and 600 Incandescent Lights.

#### Phoenix Gas Light and Fuel Co., Phoenixville.

*Chester County.*

[First works erected in this country for manufacture of water gas.]  
 Capital stock, \$30,000  
 Total bonds outstanding, \$200.  
 President, J. L. Janeway.  
 Treasurer, J. L. Janeway.  
 Secretary, J. L. Janeway.  
 Purchasing Agent, J. L. Janeway.  
 Superintendent, F. Logan.  
 Process of Manufacture, Lowe.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.00, disc. 5%.  
 Number of public lamps, 50.  
 Price received for public lamps, \$18.00.  
 Approximate annual output, 3,000,000.  
 Candle power, 22.

#### Consolidated Gas Co., Pittsburgh.

*Allegheny County.*

Capital stock, \$300,000.  
 Total bonds outstanding, none.  
 President, H. M. Bennett.  
 Treasurer, P. Jay McNulty.  
 Secretary, P. Jay McNulty.  
 Purchasing Agent, H. M. Bennett.  
 Superintendent, Jas. T. Duff.  
 Process of Manufacture, Flannery.  
 Population, 300,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 50,000,000.  
 Candle power, 18.

#### East End Gas Co., Pittsburgh.

*Allegheny County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$  
 President, Wm. H. Denniston.  
 Treasurer, H. DuPuy.  
 Secretary, O. M. McElroy.  
 Purchasing Agent, John McElroy.  
 Superintendent, John McElroy.  
 Process of Manufacture, Oil and Coal.  
 Population, 75,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 100,000,000.  
 Candle power, 22½.

#### The Pittsburgh Gas Co., Pittsburgh.

*Allegheny County.*

Capital stock, \$1,320,000.  
 Total bonds outstanding, none.  
 President, D. Herbert Hostetter.  
 Treasurer, D. H. Stoner.  
 Secretary, W. H. McClelland.  
 Engineer, John H. McElroy.  
 Process of Manufacture, Coal, Lowe, Flannery and Granger.  
 Population, 250,000.  
 Price of Gas in 1889, \$1.00.  
 Number of public lamps.  
 Price received for public lamps,  
 Approximate annual output, 330,000,000.  
 Candle power, 23.

The *Thomson-Houston Dynamo* for Arc Lighting is automatic in action and economical in operation. See advertisement, page x.

**South Side Gas Co., Pittsburgh.**

*Allegheny County.*

Capital stock,  
Total bonds outstanding,  
President, George Trautman.  
Treasurer, Wm. L. Elkins, Jr.  
Secretary, W. H. Alldred.  
Purchasing Agent,  
Superintendent, J. A. Faux.  
Process of Manufacture, Lowe and Coal.  
Population, 62,000.  
Price of Gas in 1889, \$1.20 net.  
Number of public lamps, 400.  
Price received for public lamps, \$12.00.  
Approximate annual output, 50,000,000.  
Candle power, 22 to 24.

**West Pittsburgh Gas Co., Pittsburgh.**

*Allegheny County.*

Capital stock,  
Total bonds outstanding,  
President, J. B. Finley.  
Treasurer, R. S. Hemiup.  
Secretary, R. S. Hemiup.  
Purchasing Agent,  
Superintendent, John J. McEvoy.  
Process of Manufacture, Lowe (by McKay-Critchlow).  
Population,  
Price of Gas in 1889, \$1.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 14,000,000.  
Candle power, 21 to 33.

**Pittston Gas Light Co., Pittston.**

*Luzerne County.*

Capital stock, \$40,000.  
Total bonds outstanding, none.  
President, Andrew Bryden.  
Treasurer, J. L. McMillen.  
Secretary, W. L. Watson.  
Purchasing Agent, J. W. Thomas.  
Superintendent, J. W. Thomas.  
Process of Manufacture, Lowe (by Granger).  
Population, 10,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 7,000,000.  
Candle power, 30.

**Plymouth Light, Heat and Power Co., Plymouth.**

*Luzerne County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, Draper Smith.  
Treasurer, J. W. Chamberlin.  
Secretary, J. W. Chamberlin.  
Purchasing Agent, O. M. Lance.  
Superintendent, O. M. Lance.  
Process of Manufacture, Patton.  
Population, 11,000.  
Price of Gas in 1889, \$1.62½.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 17.  
Operate Excelsior Electric System, 60 Arc and 30 Incandescent Lights.

**Pottstown Gas Co., Pottstown.**

*Montgomery County.*

Capital stock, \$25,000.  
Total bonds outstanding, none.  
President, H. G. Kulp.  
Treasurer, D. H. Keim.  
Secretary, Dr. Charles Moore.  
Purchasing Agent, none.  
Superintendent, S. L. Cramer.  
Process of Manufacture, Oil.  
Population, 1,200 to 1,400.  
Price of Gas in 1889, \$2.00, less 5%.  
Number of public lamps, 38.  
Price received for public lamps, \$26.50.  
Approximate annual output, 6,600,000.  
Candle power, 16.

**Pottsville Gas Company, Pottsville.**

*Schuylkill County.*

Capital stock, \$150,000.  
Total bonds outstanding, \$  
President, R. F. Lee.  
Treasurer, T. A. Reilly.  
Secretary, D. E. Nice.  
Purchasing Agent,  
Superintendent, James A. Bowen.  
Process of Manufacture, Lowe.  
Population, 15,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 50 Gas, 58 Arc Electric.  
Price received for public lamps, \$21.00 and \$105.  
Approximate annual output, 13,000,000.  
Candle power, 22.  
Operate the Anthracite E. L. & P. Co. on same ground. Operate Schuyler Arc Electric System, 85 Lights; Westinghouse Incandescent, 1,500 Lights.

**Providence Gas and Water Co., Providence.**

[Supplied by Scranton Gas Works.]

**The Consumers Gas Co., Reading.**

*Berks County.*

Capital stock, \$200,000.  
Total bonds outstanding, none.  
President, Henry Baumgardner.  
Treasurer, William L. Elkins, Jr.  
Secretary, Jno. H. Keppelman.  
Purchasing Agent, M. Maloney.  
Superintendent, Jno. H. Keppelman.  
Process of Manufacture, Hanlon & Leadley.  
Population, 65,000.  
Price of Gas in 1889, \$2.10, disc. 5, 10 and 15%; special, \$1.60 net; fuel \$1.35.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 50,000,000.  
Candle power, 22.

**Spring City Gas Co., Royersford.**

*Montgomery County.*

Capital stock, \$25,000.  
Total bonds outstanding, \$5,800.  
President, Hugh Burgess.  
Treasurer, Wm. Rennyson.

There are more than 500 local companies using the *Thomson-Houston System* of lighting, and more than 60,000 Arc Lamps are in daily operation. See advertisement, page x.



Secretary, Wm. Rennyson.  
 Purchasing Agent, S. B. Latshaw.  
 Superintendent, J. J. Nix.  
 Process of Manufacture, Oil.  
 Population, 2,000 in Royersford, 2,000 in Spring City.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, none.  
 Approximate annual output, 1,500,000.  
 Candle power, 26.

**Schuylkill Haven Gas and Water Co., Schuylkill Haven.**

*Schuylkill County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$75,000.  
 President, Caleb A. Horne.  
 Treasurer, Wm. B. Rudy.  
 Secretary, George S. Moyer.  
 Purchasing Agent,  
 Superintendent, Wm. H. Mellon.  
 Process of Manufacture, Lowe.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50 and \$2.25, 5%.  
 Number of public lamps, 62.  
 Price received for public lamps, \$16.  
 Approximate annual output, 20,000,000.  
 Candle power, 22.

**Scranton Gas and Water Co., Scranton.**

*Lackawanna County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, W. W. Scranton.  
 Treasurer,  
 Secretary, S. B. Hand.  
 Purchasing Agent, Robt. Reaves.  
 Superintendent, Robt. Reaves.  
 Process of Manufacture, Lowe.  
 Population, 90,000.  
 Price of Gas in 1890, \$1.40.  
 Number of public lamps, 322 Electric.  
 Price received for public lamps,  
 Approximate annual output.  
 Candle power, 22.  
 Operate Brush Electric System, 604 Arc Lights.

**Hyde Park Gas Light Co., Scranton.**

(Supplied by Scranton Gas Co.)

**Sewickley Gas Co., Sewickley.**

*Allegheny County.*

Capital stock, \$37,100,  
 Total bonds outstanding,  
 President, W. L. Standish.  
 Treasurer, E. P. Young.  
 Secretary, F. M. Rogers.  
 Purchasing Agent, F. M. Rogers.  
 Superintendent, F. M. Rogers.  
 Process of Manufacture, Natural Gas and Oil.  
 Population, 5,000.  
 Price of Gas in 1889, \$1.70, net \$1.50; now \$1.20, net \$1.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, 20.

**Shamokin Gas Light Co., Shamokin.**

*Northumberland County.*

Capital stock, \$25,000, with \$20,000 more expended.  
 Total bonds outstanding, \$4,000.  
 President, Holden Chester.  
 Treasurer, Geo. W. Ryan.  
 Secretary, A. A. Heim.  
 Purchasing Agent, A. A. Heim.  
 Superintendent, A. A. Heim.  
 Process of Manufacture, Patton.  
 Population, 15,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 6.  
 Price received for public lamps, \$15.  
 Approximate annual output, 1,500,000.  
 Candle power, 22.

**Sharon Gas and Water Co., Sharon.**

*Mercer County.*

Capital stock, \$52,500.  
 Total bonds outstanding, \$  
 President, S. Perkins.  
 Treasurer, M. H. Henderson.  
 Secretary, J. D. Carver.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population, 7,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, 51.  
 Price received for public lamps, \$1 per month.  
 Approximate annual output, 6,000.  
 Candle power, 20.

**Sharpsburg and Etna Gas Co., Sharpsburg.**

*Allegheny County.*

Capital stock, \$64,600.  
 Total bonds outstanding, \$  
 President, S. S. Marvin, Pittsburgh, Pa.  
 Treasurer, H. G. Woerner, Sharpsburg, Pa.  
 Secretary, H. G. Woerner, Sharpsburg, Pa.  
 Purchasing Agent, H. G. Woerner.  
 Superintendent, J. B. Smith.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.60, \$1.20, \$1.00 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 21.82.

**Shenandoah Gas Light Co., Shenandoah.**

*Schuylkill County.*

Capital stock, \$22,400.  
 Total bonds outstanding, none.  
 President, S. A. Beddall.  
 Treasurer, W. F. Kistler.  
 Secretary, R. Stocker.  
 Purchasing Agent, H. A. Swalm.  
 Superintendent, H. A. Swalm.  
 Process of Manufacture, Naphtha.  
 Population, 15,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 3,500,000.  
 Candle power,  
 Operate Thomson-Houston Electric System, 100 Arc Lights.

The *Thomson-Houston System of Electric Lighting* has been more generally adopted by Gas Companies than any other. See advertisement, page x.

**Shippensburg Gas Light Co., Shippensburg.**  
*Cumberland County.*

Capital stock, \$12,500.  
Total bonds outstanding, \$12,500.  
President, Dr. Robt. C. Stewart.  
Treasurer, E. J. McCune.  
Secretary, Geo. B. Cole.  
Purchasing Agent, Jas. E. McLean.  
Superintendent, W. R. Beaver.  
Process of Manufacture, Lowe.  
Population, 3,000.  
Price of Gas in 1889, \$2.40.  
Number of public lamps, 44 Gas and 12 Oil.  
Price received for public lamps, \$15 gas, \$10 oil  
Approximate annual output, 1,200,000.  
Candle power,

**South Bethlehem Gas and Water Co., South Bethlehem.**  
*Northampton County.*

Capital stock, \$140,000.  
Total bonds outstanding, \$34,500.  
President, E. P. Wilbur.  
Treasurer, H. Stanley Goodwin.  
Secretary, C. Neisser.  
Purchasing Agent, B. E. Lehman.  
Superintendent, B. E. Lehman.  
Process of Manufacture, Lowe.  
Population, 8,000.  
Price of Gas in 1889, \$2.00 less 10 per cent.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 11,000,000.  
Candle power, 22.

**Stroudsburg Gas Light Co., Stroudsburg.**  
*Monroe County.*

President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, 2,000.  
Price of Gas in 1889, \$2.50.

**The Sunbury Gas Light Co., Sunbury.**  
*Northumberland County.*

Capital stock, \$25,000.  
Total bonds outstanding, about \$8,000.  
President, S. P. Wolverton.  
Treasurer, T. H. Purdy.  
Secretary, T. H. Purdy.  
Purchasing Agent, Truman H. Finn.  
Superintendent, Truman H. Finn.  
Process of Manufacture, Naphtha.  
Population, 6,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 90.  
Price received for public lamps, \$12.00.  
Approximate annual output,  
Candle power, 14.

**Citizens' Gas Light Co., Tamaqua.**  
*Schuylkill County.*

Capital stock, \$  
Total bonds outstanding, none.  
President, David Zehner.  
Treasurer, John Zehner.

Secretary, John L. Zehner.  
Purchasing Agent,  
Superintendent, John Zehner.  
Process of Manufacture, Lowe.  
Population, 7,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**Titusville Gas Co., Titusville.**  
*Crawford County.*

Capital stock, \$  
Total bonds outstanding, \$  
President, R. D. Fletcher.  
Treasurer, E. T. Roberts.  
Secretary, F. W. Perkins.  
Purchasing Agent,  
Superintendent, Jos. Komad.  
Process of Manufacture, McKay-Critchlow.  
Population, 10,000.  
Price of Gas in 1889, \$1.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 10,000,000.  
Candle power, 22.

**Towanda Gas Co., Towanda.**  
*Bradford County.*

Capital stock, \$45,000.  
Total bonds outstanding, none.  
President, Henry Streeter.  
Treasurer, Henry Streeter.  
Secretary, N. N. Betts.  
Superintendent, C. P. Spalding.  
Process of Manufacture, Coal.  
Population, 4,500.  
Price of Gas in 1889, \$2.25.  
Number of public lamps, 60.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 18.

**Tidioute Gas Light Co., Tidioute.**  
*Warren County.*

President, M. H. Butler.  
Treasurer, J. A. Weible.  
Secretary, J. A. Weible.  
Purchasing Agent,  
Superintendent, M. H. Butler.  
Process of Manufacture, Oil.  
Population, 2,000.

**The Tremont Water and Gas Co., Tremont.**  
*Schuylkill County.*

Capital stock, \$40,000.  
Total bonds outstanding, \$3,000.  
President, J. P. Bechtel.  
Treasurer, C. B. Sellyman.  
Secretary, J. A. Bechtel.  
Purchasing Agent,  
Superintendent, J. P. Bechtel.  
Process of Manufacture, no Gas made yet.  
Population, 2,200.  
Price of Gas in 1889,  
Number of public lamps,  
Price received for public lamps.  
Approximate annual output,  
Candle power.

More than 200 Gas Companies are using the *Thomson-Houston System* and operating more than 13,000 Arc Lamps. See advertisement, page x.

**Tyrone Gas and Water Co., Tyrone.***Blair County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 President, C. Gwyer.  
 Treasurer, P. Sneeringer.  
 Secretary, A. A. Stevens.  
 Purchasing Agent, C. Gwyer.  
 Superintendent, C. H. Dieffenbaugh.  
 Process of Manufacture, Coal.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.00, with 10 to 20% disc.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 2,500,000.  
 Candle power, 17.

**Uniontown Light and Heat Co., Uniontown.***Fayette County.*

Owners, Ewing & Sturgis.  
 Process of Manufacture, Wilkinson.  
 Population, 8,000.  
 Price of Gas 1889, \$1.20 with disc.

**Warren Gas Light Co., Warren.***Warren County.*

Capital stock, \$75,000.  
 Total bonds outstanding, \$15,500.  
 President, J. C. Wells.  
 Treasurer, A. N. McKelvy.  
 Secretary, S. J. Franklin.  
 Purchasing Agent, S. J. Franklin.  
 Superintendent, S. J. Franklin.  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population, 5,000.  
 Price of Gas in 1889, \$1.00 to \$2.00.  
 Number of public lamps, 66.  
 Price received for public lamps, \$25.00.  
 Approximate annual output, 10,000,000.  
 Candle power, 22.  
 Operate Thomson-Houston Electric System, 30  
 Arc Lights.

**Washington Gas Co., Washington.***Washington County.*

Capital stock, \$38,850.  
 Total bonds outstanding,  
 President, Colin M. Reed.  
 Treasurer, Jas. C. Acheson.  
 Secretary, Jas. C. Acheson.  
 Purchasing Agent,  
 Superintendent, C. E. Hoover.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$1.20.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Waynesboro Gas Light Co., Waynesboro.***Franklin County.*

Capital stock, \$25,000.  
 Total bonds outstanding, \$12,500.  
 President, Caleb H. Horne.  
 Treasurer, J. George Bucher.  
 Secretary, Geo. S. Moyer.

Purchasing Agent, Geo. S. Moyer.  
 Superintendent, B. C. Thorn.  
 Process of Manufacture, Lowe.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps.  
 Approximate annual output, 125,000.  
 Candle power, 24.

**The West Chester Gas Co., West Chester.***Chester County.*

Capital stock, \$60,000.  
 Total bonds outstanding, none.  
 President, Dr. Jesse C. Green.  
 Treasurer, H. B. Buckwalter.  
 Secretary, H. B. Buckwalter.  
 Purchasing Agent, none.  
 Superintendent, L. G. McCauley.  
 Process of Manufacture, Coal.  
 Population, 9,000.  
 Price of Gas in 1889, \$1.70.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 19.12.

**West Newton Gas Co., West Newton.***Westmoreland County.*

Capital stock, \$3,000.  
 Total bonds outstanding,  
 President, Geo. Plumer.  
 Treasurer, A. W. Orr.  
 Secretary, A. M. Dick.  
 Purchasing Agents, Dick & Orr.  
 Superintendent, J. G. Sutton.  
 Process of Manufacture, Smith & Goldthorp.  
 Population, 3,000.  
 Price of Gas in 1889, \$2.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**The Wilkes-Barre Gas Co., Wilkes-Barre.***Luzerne County.*

Capital stock, \$130,000.  
 Total bonds outstanding, none.  
 President, W. S. Conyngham.  
 Treasurer, John C. Phelps.  
 Secretary, Marcus Smith.  
 Superintendent, Marcus Smith.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 40,000.  
 Price of Gas in 1889, \$1.80. 5 to 25% disc.  
 Number of public lamps, 200.  
 Price received for public lamps, \$20.  
 Approximate annual output, 30,000,000.  
 Candle power, 24.

**Williamsport Gas Co., Williamsport.***Lycoming County.*

Capital stock, \$400,000.  
 Total bonds outstanding, \$50,000.  
 President, Joseph M. Gazzam.  
 Treasurer, C. A. Byers.  
 Secretary, C. A. Byers.  
 Purchasing Agent,  
 Superintendent, C. A. Byers.  
 Process of Manufacture, Lowe.

It has been clearly proved thae Gas Companies which have adopted the *Thomson-Houston System* are alive to their own interests. See advertisement, page x.



Population, 30,000.  
Price of Gas in 1889, \$1.50 to \$2.00.  
Number of public lamps, 160.  
Price received for public lamps, \$25.00.  
Approximate annual output, 24,000,000.  
Candle power, 28.

**York Gas Co., York.**

*York County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.

President, G. Edw. Hersh.  
Treasurer, W. H. Griffith.  
Secretary, Thos. Wood.  
Purchasing Agent, Jacob L. Kuehn.  
Superintendent, Jacob L. Kuehn.  
Process of Manufacture, Lowe (by Granger).  
Population, 21,000.  
Price of Gas in 1889, \$2.00 to \$1.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 11,000,000.  
Candle power, 23.

RHODE ISLAND.

**Bristol Gas Light Co., Bristol.**

*Bristol County.*

Capital stock, \$60,000.  
Total bonds outstanding,  
President, Robert S. Franklin.  
Treasurer, J. Howard Manchester.  
Secretary, J. Howard Manchester.  
Purchasing Agent, J. Howard Manchester.  
Superintendent, J. Howard Manchester.  
Process of Manufacture, Coal.  
Population, 6,000 about.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 20.

**Newport Gas Light Co., Newport.**

*Newport County.*

Capital stock, \$225,000.  
Total bonds outstanding, none.  
President, Henry Bull.  
Treasurer, Andrew K. Quinn.  
Secretary, Thomas A. Lawton.  
Purchasing Agent, Andrew K. Quinn.  
Superintendent, Andrew K. Quinn.  
Process of Manufacture, Coal and Lowe.  
Population, 20,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 400.  
Price received for public lamps, \$1.50 per M.  
Approximate annual output, 38,000,000.  
Candle power, 19.

**Pawtucket Gas Co., Pawtucket.**

*Pawtucket County.*

Capital stock, \$500,000.  
Total bonds outstanding,  
President, L. B. Darling.  
Treasurer, Charles L. Knight.  
Secretary, A. E. Perrin.  
Purchasing Agent, S. G. Stiness,  
Superintendent, S. G. Stiness.  
Process of Manufacture, Coal.  
Population, 35,000.  
Price of Gas in 1888, \$1.80, \$1.60, \$1.45, \$1.35.  
Number of public lamps, 300.  
Price received for public lamps, \$18.75.  
Approximate annual output, 75,000,000.  
Candle power, 18.  
Operate Thomson-Houston Electric System,  
425 Arc and 1,700 Alternating Incandescent.

**Providence Gas Co., Providence.**

*Providence County.*

Capital stock, \$2,500,000.  
Total bonds outstanding, none.  
President, Hon. Amos C. Barstow.  
Treasurer, A. B. Slater.  
Secretary, A. B. Slater.  
Purchasing Agent, A. B. Slater.  
Superintendents, A. Hutchison and A. B. Slater,  
Jr.  
Process of Manufacture, Coal and Lowe.  
Population, 130,000.  
Price of Gas in 1889, \$1.40.  
Number of public lamps, 65.  
Price received for public lamps, \$1.25.  
Approximate annual output, 458,000,000.  
Candle power, 18.

**Warren Gas Light Co., Warren.**

*Bristol County.*

Capital stock, \$17,500.  
Total bonds outstanding, \$  
President, Samuel G. Stiness.  
Treasurer, Daniel L. Turner.  
Secretary, Daniel L. Turner.  
Purchasing Agent, Daniel L. Turner.  
Superintendent, Lincoln Hammett.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 65.  
Price received for public lamps, \$2.00 per M.  
Approximate annual output, 3,000,000.  
Candle power, 17.

**Westerly Gas and Electric Light Co., Westerly.**

*Washington County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$  
President, Edwin Babcock.  
Treasurer, Arthur Perry.  
Secretary, Arthur Perry.  
Purchasing Agent, Arthur Perry.  
Superintendent, John H. Hodgson.  
Process of Manufacture, Coal.  
Population, 7,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 10.  
Price received for public lamps, 1c. per hour.  
Approximate annual output, 4,000,000.  
Candle power, 16.  
Operate Thomson-Houston Arc Electric System,  
60 Lights; Thomson-Houston and Westing-  
house Incandescent System, 950 Lights.

In Rhode Island the Gas Company in the towns of Pawtucket and Westerly operates the *Thomson-Houston Electric System*. See advertisement, page x.

**The Woonsocket Gas Co., Woonsocket.***Providence County.*

Capital stock, \$250,000.  
 Total bonds outstanding, \$  
 President, Henry C. Kimball.  
 Treasurer, Reuben G. Randall.  
 Secretary, Reuben G. Randall.  
 Purchasing Agent, Zenner M. Jenks.  
 Superintendent, Zenner M. Jenks.

Process of Manufacture, Coal and Lowe (by  
 Granger-Collins).  
 Population, 20,000.  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 30,000,000.  
 Candle power, 20.  
 Operate Brush Electric System, 50 Arc and  
 — Alternating Incandescent Lights.

## SOUTH CAROLINA.

**Charleston Gas Light Co., Charleston.***Charleston County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, Thos. Turner.  
 Treasurer, Wm. Morrison.  
 Secretary, Wm. Morrison.  
 Purchasing Agent, none.  
 Superintendent, Thos. Turner.  
 Process of Manufacture, Coal.  
 Population, 62,000.  
 Price of Gas in 1889, \$2.00, with discount.  
 Number of public lamps, 810.  
 Price received for public lamps, \$16.62½.  
 Approximate annual output,  
 Candle power, 19.

**Charleston Light and Power Co., Charleston.***Charleston County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, Geo. B. Edwards.  
 Treasurer, P. P. Toole.  
 Secretary, P. P. Toole.  
 Purchasing Agent, Geo. B. Edwards.  
 Superintendent, Fred. P. Upson.  
 Process of Manufacture, Gas works not yet  
 erected.  
 Population, 65,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Thomson-Houston Electric System, 200  
 Arc and 1,500 Lights.

**Columbia Gas Light Co., Columbia.**

(Operated by the United Gas Imp. Co., Phila.)

Capital stock, \$  
 Total bonds outstanding,  
 President, W. W. Flannagan.  
 Treasurer, D. D. Mallory, Jr.  
 Secretary, D. D. Mallory, Jr.  
 Purchasing Agent, C. E. Morgan, Phila., Pa.  
 Superintendent and Agent, John M. Daniels.  
 Process of Manufacture, Lowe.  
 Population, estimated 15,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, 100.  
 Price received for public lamps, \$25.00.  
 Approximate annual output, 12,000,000.  
 Candle power, 22.

**Congaree Gas and Electric Co., Columbia.***Richland County.*

Capital stock, \$25,000.  
 Total bonds outstanding, \$  
 President, John T. Sloan, Jr.  
 Treasurer, John P. Thomas, Jr.  
 Secretary, John P. Thomas, Jr.  
 Purchasing Agent, A. F. McKissick.  
 Superintendent, A. F. McKissick.  
 Process of Manufacture,  
 Population, 15,000.  
 Price of Gas in 1889, \$  
 Number of public lamps, 120.  
 Price received for public lamps, \$  
 Approximate annual output,  
 Candle power,  
 Operate Thompson-Houston Electric System,  
 20 Arc and 100 Incandescent Lights.

**Greenville Gas and Electric Light Co., Greenville.***Greenville County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Asbury & Son.  
 Treasurer, Asbury & Son.  
 Secretary, Asbury & Son.  
 Purchasing Agent, Asbury & Son.  
 Superintendent, Asbury & Son.  
 Process of Manufacture, Lowe.  
 Population, 10,000.  
 Price of Gas in 1889, \$3.00, 50c. discount.  
 Number of public lamps, } Electric, City  
 Price received for public lamps, } Works.  
 Approximate annual output,  
 Candle power, 22.5.  
 Operate Thomson-Houston Electric System, 18  
 Arc Lights.

**Gas, Electric Light and Power Co., Spartanburg.***Spartanburg County.*

Capital stock, \$30,000.  
 Total bonds outstanding,  
 President, A. H. Leftwich.  
 Treasurer, W. C. Thomson.  
 Secretary,  
 Purchasing Agent,  
 Superintendent, Wm. Campbell.  
 Process of Manufacture, Coal.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 59.  
 Price received for public lamps, \$50.  
 Approximate annual output,  
 Candle power,

In South Carolina the Gas Companies in the Towns of Charleston, Columbia and Greenville operate the *Thomson-Houston Electric System*. See advertisement, page x.

**Aberdeen Light and Fuel Co., Aberdeen.***Brown County.*

Capital stock, \$60,000.  
 Total bonds outstanding, none.  
 President, H. M. Marple.  
 Treasurer, H. M. Marple.  
 Secretary, G. L. Gray.  
 Purchasing Agent, G. L. Gray.  
 Superintendent, G. L. Gray.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 8,000.  
 Price of Gas in 1889, \$2.00 and \$2.50 net.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, just started.  
 Candle power,

**Pierre Gas and Fuel Co., Pierre.***Hughes County.*

Capital stock, not yet stocked, \$68,000 paid for plant.  
 Total bonds outstanding, none.  
 President, }  
 Treasurer, } Officers not yet elected.  
 Secretary, }  
 Purchasing Agent, R. C. Elliott and T. W. Pratt.  
 Superintendent, T. W. Pratt.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00 and \$2.50.  
 Number of public lamps, 75.  
 Price received for public lamps, \$2.00 per M.  
 Approximate output, 160,000 in 24 hours.  
 Candle power, 20.

**Dakota Gas and Electric Co., Rapid City.***Pennington County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, D. H. Clark.  
 Treasurer, H. W. Somers.  
 Secretary, H. W. Somers.  
 Purchasing Agent, V. T. McGillicuddy.  
 Manager, V. T. McGillicuddy.

Process of Manufacture,  
 Population, 3,500.  
 Price of Gas in 1889, no gas made yet.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Thomson-Houston Electric System, 45 Arc Lights.

**Sioux Falls Gas Light Co., Sioux Falls.***Minnehaha County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$50,000.  
 President, C. D. Hauk.  
 Treasurer,  
 Secretary,  
 Purchasing Agent, C. E. Morgan.  
 Superintendent, L. D. Spragle.  
 Process of Manufacture, Lowe (by Springer) and Coal.  
 Population, 15,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 75.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 19.

**Watertown Heating Power and Light Co., Watertown***Codington County.*

Capital stock, \$20,000.  
 Total bonds outstanding,  
 President, M. W. Sheafe.  
 Treasurer, J. W. Martin.  
 Secretary, J. W. Martin.  
 Purchasing Agent,  
 Superintendent, Edw. Neugard.  
 Process of Manufacture,  
 Population,  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Thomson and Houston Electric System,  
 25 Arc and 350 Incandescent Lights.

## TENNESSEE.

**Gas, Coal and Coke Co., Brownsville.***Haywood County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 Proprietor, W. B. McKinney, Troy, O.  
 Secretary, J. R. McKnight.  
 Purchasing Agent, J. R. McKnight.  
 Superintendent, J. R. McKnight.  
 Process of Manufacture, Coal.  
 Population, 2,500.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 20.  
 Price received for public lamps, \$2.00 per month.  
 Approximate annual output,  
 Candle power, 16.

**Chattanooga Gas Light Co., Chattanooga.***Hamilton County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$35,000.  
 President, James A. Caldwell.  
 Treasurer, I. S. Post.  
 Secretary, I. S. Post.  
 Purchasing Agent, James Forbes.  
 Superintendent, James Forbes.  
 Process of Manufacture, Coal.  
 Population, 40,000.  
 Price of Gas in 1889, \$1.70 with discount.  
 Number of public lamps, 217.  
 Price received for public lamps, \$21.00.  
 Approximate annual output, 50,000,000.  
 Candle power, 18.

In South Dakota the Gas Companies in the towns of Rapid City and Watertown operate the *Thomson-Houston System*. See advertisement, page x.



**Clarksville Gas Light Co., Clarksville.***Montgomery County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$  
 President, Capt. F. P. Gracey.  
 Treasurer, Hon. D. N. Kennedy.  
 Secretary, Thomas Bourne.  
 Purchasing Agent, Thomas Bourne.  
 Superintendent, Thomas Bourne.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 3,000,000.  
 Candle power, 16

**Columbia Gas Co., Columbia.***Mauvy County.*

President, E. W. Gamble.  
 Treasurer, Lucius Frierson.  
 Secretary, T. J. Odell.  
 Purchasing Agent, T. J. Odell.  
 Superintendent, T. J. Odell.  
 Process of Manufacture, Oil.  
 Population, 5,000.  
 Price of Gas in 1888, \$2.00.

**Gallatin Gas Co., Gallatin.***Summer County.*

President, James I. Walton.  
 Treasurer, D. B. Anderson.  
 Secretary, D. B. Anderson.  
 Purchasing Agent, D. B. Anderson.  
 Superintendent, Jo. W. Harris.  
 Process of Manufacture, Oil.  
 Population, 3,000.

**Citizens' Gas Light Co., Jackson.***Madison County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, John Y. Keith.  
 Treasurer, N. S. White.  
 Secretary, Stephen Howes.  
 Purchasing Agent, Stephen Howes.  
 Superintendent, Stephen Howes.  
 Process of Manufacture, Coal.  
 Population, 15,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 15,000,000.  
 Candle power, 18.  
 Operate American Electric System, 100 Arc  
 Lights.

**Knoxville Gas Light Co., Knoxville.***Knox County.*

Capital stock, \$168,000.  
 Total bonds outstanding, \$37,000.  
 President, R. R. Swepson.  
 Treasurer,  
 Secretary, R. C. Jackson.  
 Purchasing Agent,  
 Superintendent, Peter Young.  
 Process of Manufacture, Coal and Lowe.  
 Population, 50,000.  
 Price of Gas in 1889, \$1.50 net.  
 Number of public lamps, 417.

Price received for public lamps, \$1.75 per month  
 Approximate annual output, 40,000,000.  
 Candle power, 20.

**Equitable Gas Light Co., Memphis.***Shelby County.*

Capital stock, \$750,000.  
 Total bonds outstanding, none.  
 President, Wm. Katzenberger.  
 Treasurer, I. Katzenberger.  
 Secretary, I. Katzenberger.  
 Purchasing Agent,  
 Superintendent, F. C. Kneisse.  
 Process of Manufacture, Jerzmanowski "Baby"  
 Population, 80,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, 700.  
 Price received for public lamps, \$15.00.  
 Approximate annual output, 80,000,000.  
 Candle power, 30.

**Memphis Gas Light Co., Memphis.**

President, N. M. Jones.  
 Secretary, Joseph Craig.  
 Engineer and General Manager, Frank Bierce.  
 Process of Manufacture, Coal and Crude Oil.  
 Population, 80,000.  
 Price of Gas in 1888, \$1.75.

**Murfreesboro Gas Light Co., Murfreesboro.***Rutherford County.*

Capital stock, \$30,000.  
 Total bonds outstanding, none.  
 President, J. W. Sparks.  
 Treasurer, Carroll Collins, Green Bay, Wis.  
 Secretary, Carroll Collins, Green Bay, Wis.  
 Purchasing Agent, Homer B. Collins, Murfrees-  
 boro, Tenn.  
 Superintendent, Homer B. Collins, Murfrees-  
 boro, Tenn.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.50, \$2.75 and \$3.00.  
 Number of public lamps, 75.  
 Price received for public lamps, \$24.00.  
 Approximate annual output,  
 Candle power, 18.

**Nashville Gas Light Co., Nashville.***Davidson County.*

Capital stock, \$680,000.  
 Total bonds outstanding,  
 President, Sam'l Prichitt.  
 Treasurer, Thos. F. Kendrick.  
 Purchasing Agent, Thos. F. Kendrick.  
 Superintendent, Geo. H. Wells.  
 Process of Manufacture, Coal.  
 Population, 90,000.  
 Price of Gas in 1889, \$1.89.  
 Number of public lamps, 705.  
 Price received for public lamps, \$105 per M.  
 Approximate annual output, 100,000,000.  
 Candle power, 18.

**Pulaski Gas Co., Pulaski.***Pulaski County.*

Capital stock, \$21,000.  
 Total bonds outstanding, \$12,000.  
 President, H. D. Fitch, Louisville, Ky.  
 Treasurer, L. T. Rosengarten, Louisville, Ky.  
 Secretary, L. T. Rosengarten, Louisville, Ky.

No Company that has adopted the *Thomson-Houston System* has ever replaced it by any other. See advertisement, page x.

Purchasing Agent, H. D. Fitch.  
Superintendent.  
Process of Manufacture, Oil.  
Population, 4,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 50.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 70.

**Beck Bransford & Co., Union City.**

*Obion County.*

Capital stock paid in, \$44,700.  
Total bonds outstanding,

President, B. H. Bransford.  
Treasurer, J. W. Bransford.  
Secretary, J. W. Bransford.  
Purchasing Agent, B. H. Bransford.  
Superintendent, Sam Ford.  
Process of Manufacture,  
Population, 4,000.  
Price of Gas in 1889,  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power, 16 and 25.  
Operate, Fort Wayne Electric System, 450  
Incandescent Lights.

TEXAS.

**Austin Gas Light and Coal Co., Austin.**

*Travis County.*

Capital stock, \$100,000.  
Total bonds outstanding, none.  
President, Sylvester Watts.  
Treasurer, Eugene Bremond.  
Secretary, A. E. Judge.  
Purchasing Agent,  
Superintendent, A. E. Judge.  
Process of Manufacture, Coal.  
Population, 16,000.  
Price of Gas in 1889, \$2.00 to \$3.50.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 18.

**Capital Gas Light Co., Austin.**

*Travis County.*

President, H. K. Thurber, New York City.  
Treasurer,  
Secretary, F. Huppertz, Austin.  
Purchasing Agent,  
Superintendent, A. E. Judge, Austin.  
Process of Manufacture, Water Gas.  
Population, 20,000.  
Price of Gas in 1888, \$2.00 to \$3.00.

**Brenham Gas Co., Brenham.**

*Washington County.*

President, E. Ruchardt.  
Treasurer, D. C. Giddings.  
Secretary, D. C. Giddings, Sr.  
Purchasing Agent,  
Superintendent,  
Process of Manufacture, Oil.  
Population, 8,000.

**Colorado Gas Light Co., Colorado.**

*Mitchell County.*

President,  
Treasurer,  
Secretary,  
Purchasing Agent,  
Superintendent,  
Process of Manufacture,  
Population, 4,000.

**Corsicana Gas Light Co., Corsicana.**

*Navarro County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$40,000.  
President, Bryan T. Barry.

Treasurer, Sam R. Frost.  
Secretary, Jno. R. Miller.  
Purchasing Agent,  
Superintendent,  
Process of Manufacture, Van Steenburg.  
Population, 10,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, none  
Prices received for public lamps,  
Approximate annual output, 4,000,000.  
Candle power,

**Dallas City Gas Light Co., Dallas.**

*Dallas County.*

Capital stock, \$  
Total bonds outstanding, \$  
President, J. E. Schneider.  
Treasurer, J. C. O'Connor.  
Secretary, J. C. O'Connor.  
Purchasing Agent, Wm. Enfield.  
Superintendent, Wm. Enfield.  
Process of Manufacture, Coal and Oil.  
Population, 45,000.  
Price of Gas in 1889, \$1.90.  
Number of public lamps,  
Price received for public lamps.  
Approximate annual output, 40,000,000.  
Candle power, 18.  
Operate Thompson-Houston and Sperry Arc  
Electric System 100 Lights; Edison Incandescent System 1,000 Lights.

**Denison Light and Power Co., Denison.**

*Grayson County.*

Capital stock, \$125,000.  
Total bonds outstanding,  
President, W. B. Munson.  
Treasurer, J. R. Cullivane.  
Secretary, J. R. Cullivane.  
Purchasing Agent, J. R. Cullivane.  
Superintendent, J. R. Cullivane.  
Process of Manufacture, Coal.  
Population, 17,000.  
Price of Gas in 1889, \$2.25 net.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power, 18½.  
Operate Van Depoele Arc Electric System 100  
Lights; Westinghouse Incandescent System  
1,500 Lights.

In Texas the Gas Company in the town of Dallas operates the Thomson-Houston Electric System. See advertisement, page x.

**El Paso Gas, Coal and Coke Co., El Paso.***El Paso County.*

President, Z. T. White.  
 Treasurer, J. Magoffin.  
 Secretary, W. J. Fewel.  
 Purchasing Agent, Z. T. White.  
 Superintendent, M. L. Hickey.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$3.20 with disc.

**Fort Worth Light and Power Co., Fort Worth.***Tarrant County.*

Capital stock, \$225,000.  
 Total bonds outstanding, \$  
 President, Henry C. Scott, St. Louis, Mo.  
 Treasurer, Henry C. Scott, St. Louis, Mo.  
 Secretary, W. W. Greene.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 18½.  
 Operate Waterhouse Arc Electric System, 75  
 Lights; Westinghouse Incandescent, 2,000  
 Lights.

**Light and Fuel Co., Gainesville.***Cooke County.*

Capital stock, \$80,000.  
 Total bonds outstanding, \$  
 President, J. M. Lindsay.  
 Treasurer, E. L. Hopper.  
 Secretary, H. M. Lindsey.  
 Purchasing Agent, E. L. Hopper.  
 Superintendent, E. L. Hopper.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$3.50 with discount.  
 Number of public lamps, 26.  
 Price received for public lamps, \$32.  
 Approximate annual output,  
 Candle power, 17 to 18.  
 Operate Van DePoele Arc Electric System, 60  
 Lights; Westinghouse Incandescent, 650  
 Lights.

**Galveston Gas Co., Galveston.***Galveston County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$50,000.  
 President, J. H. Hutchings.  
 Treasurer, C. P. Russell.  
 Secretary, C. P. Russell.  
 Purchasing Agent, Frank Beck.  
 Superintendent, Frank Beck.  
 Process of Manufacture, Coal.  
 Population, 50,000.  
 Price of Gas in 1889, \$3.00 to \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 25,000,000.  
 Candle power, 19.  
 Operate Brush Arc Electric System, 43 Lights;  
 Westinghouse Incandescent, 1,300 Lights.

**Houston Gas Light Co., Houston.***Harris County.*

Capital stock, \$200,000.  
 Total bonds outstanding, none.  
 President, T. W. House.  
 Treasurer, G. R. Vaughan.  
 Secretary, G. R. Vaughan.  
 Purchasing Agent, G. R. Vaughan.  
 Gen'l Manager, G. R. Vaughan.  
 Process of Manufacture, Coal.  
 Population, 40,000.  
 Price of Gas in 1889, \$2.25 and \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 19 to 22.  
 Operate United States Arc Electric System, 50  
 Lights; Westinghouse Incandescent, 1,500  
 Lights.

**Jefferson Gas Light Co., Jefferson.***Marion County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,  
 Manager, H. B. Thomas.  
 Process of Manufacture, Oil and Wood.  
 Population, 4,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 16.

**Marshall Light and Power Co., Marshall.***Harrison County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$  
 President, E. J. Fry.  
 Treasurer, W. C. Pierce.  
 Secretary, W. C. Pierce.  
 Manager, E. D. Fry.  
 Superintendent, Will. H. Clark.  
 Process of Manufacture, Sutherland.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 3,000,000.  
 Candle power, 26.  
 Operate Westinghouse Incandescent Electric  
 System, 650 Lights.

**Paris Gas and Electric Light Co., Paris.***Lamar County.*

Capital stock paid up, \$60,000.  
 Total bonds outstanding, \$50,000.  
 President, Jas. J. Walsh.  
 Treasurer, S. J. Wright.  
 Secretary, J. A. Porter.  
 Purchasing Agent, Jas. J. Walsh.  
 Superintendent, Ulmer Jones.  
 Process of Manufacture, Coal.  
 Population, 13,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 100.

A careful investigation of the systems in use among the Gas Companies will show that the *Thomson-Houston* leads the rest both in the number of installations and successful operation. See advertisement, page x.



Price received for public lamps, \$2.50 per month.  
Approximate annual output, 500,000.  
Candle power, 16.  
Operate New Wood Electric System, 60 Arc  
and — Incandescent Lights.

**San Antonio Gas Co., San Antonio.**

*Bexar County.*

Capital stock, \$  
Total bonds outstanding, none.  
President, J. S. Lockwood.  
Treasurer, J. Muier, Jr.  
Secretary, Gus. Giesecke.  
Purchasing Agent,  
Superintendent, E. A. West.  
Process of Manufacture, Coal.  
Population, 50,000.  
Price of Gas in 1889, \$3.00 with dis.  
Number of public lamps, 175.  
Price received for public lamps, \$24.00.  
Approximate annual output, 24,000,000.  
Candle power, 18 to 20.  
Operate Brush Electric System, 210 Arc Lights.

**Sherman Gas Light Co., Sherman.**

*County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$20,000.  
President, H. D. Fitch, Louisville, Ky.  
Treasurer, H. D. Fitch.  
Secretary, Clarence Pate.  
Purchasing Agent, Clarence Pate.

Superintendent, John H. Davis.  
Process of Manufacture, Coal.  
Population, 15,000.  
Price of Gas in 1889, \$3.00 will be \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 10,000,000.  
Candle power, 17.

**Texarkana Gas Light Co., Texarkana.**

(See Arkansas.)

**Waco Gas Co., Waco.**

*McLennan County.*

Capital stock, \$100,000.  
Total bonds outstanding, \$  
President, Geo. Clark.  
Treasurer, Henry C. Scott.  
Secretary, John L. Brockenbrough.  
Purchasing Agent, John L. Brockenbrough.  
Superintendent, J. H. Maxon.  
Process of Manufacture, Coal.  
Population, 25,000.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 50.  
Price received for public lamps,  
Approximate annual output,  
Candle power,  
Operate Ft. Wayne Arc Electric System, 110  
Lights; Westinghouse Incandescent, 500  
Lights.

## UTAH.

**Ogden Gas Light and Fuel Co., Ogden.**

*Weber County.*

Capital stock, \$250,000.  
Total bonds outstanding, none.  
President, David F. Walker.  
Treasurer, David F. Walker, Jr.  
Secretary, David F. Walker, Jr.  
Purchasing Agent, David F. Walker, Jr.  
Superintendent, John Kempf, Jr.  
Process of Manufacture, Coal.  
Population, 17,000.  
Price of Gas in 1889, \$3.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 18,000,000.  
Candle power, 18.

**Salt Lake City Gas Co., Salt Lake City.**

*Salt Lake County.*

Capital stock, \$750,000.  
Total bonds outstanding, none.  
President, John Henry Smith.  
Treasurer, James Jack.  
Secretary, T. W. Ellerbeck.  
Purchasing Agent, T. W. Ellerbeck.  
Superintendent, T. W. Ellerbeck.  
Process of Manufacture, Coal.  
Population, 40,000.  
Price of Gas in 1889, \$2.50 and \$2.75.  
Number of public lamps, 40.  
Price received for public lamps, \$35.  
Approximate annual output, 35,000,000.  
Candle power, 18.  
Operate Brush and Western Arc Electric Sys-  
tems, 200 Lights; Heisler Incandescent, 340  
Lights.

## VERMONT.

**Brattleboro Gas Light Co., Brattleboro.**

*Windham County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$20,000.  
President, Dr. H. D. Holton.  
Treasurer, C. F. Thompson.  
Secretary, C. F. Thompson.  
Purchasing Agent, C. F. Thompson.  
Superintendent, A. J. Horton, Gas; Geo. A.  
Niles, Electric.

Process of Manufacture, Lowe.  
Population, 6,000.  
Price of Gas in 1889, \$2.50 and \$2.70.  
Number of public lamps, 42.  
Price received for public lamps, \$15.  
Approximate annual output, 5,500,000.  
Candle power, 25.  
Operate Thomson-Houston Electric System,  
30 Arc Lights.

In Vermont the Gas Company in the town of Brattleboro operates the  
*Thomson-Houston Electric System.* See advertisement, page x.

**Burlington Gas Light Co., Burlington.***Chittenden County.*

Capital stock, \$125,000.  
 Total bonds outstanding, \$  
 President, Wm. Wells.  
 Treasurer, F. H. Parker.  
 Secretary, F. H. Parker.  
 Purchasing Agent, F. H. Parker.  
 Superintendent, F. H. Parker.  
 Process of Manufacture, Lowe.  
 Population, 17,000.  
 Price of Gas in 1889, \$1.75 and \$2.25 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 10,000,000.  
 Candle power, 20.  
 Operate Brush Arc Electric System, 170 Lights;  
 Westinghouse Incandescent, 250 Lights.

**Montpelier Gas Light Co., Montpelier.***Washington County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$5,000.  
 President, Geo. W. Scott.  
 Treasurer, E. R. Skinner.  
 Secretary, E. R. Skinner.  
 Purchasing Agent, E. R. Skinner.  
 Superintendent, E. R. Skinner.  
 Process of Manufacture, Lowe (by McKay-Critchlow).  
 Population about 3,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 300,000.  
 Candle power, 28.

**People's Gas Light Co., Rutland.***Rutland County.*

Capital stock, \$70,000.  
 Total bonds outstanding, none.  
 President, Wm. B. Mussey.  
 Treasurer, Geo. R. Bottum.  
 Secretary, Geo. R. Bottum.  
 Purchasing Agent, N. C. Dye.  
 Superintendent, N. C. Dye.  
 Process of Manufacture, Lowe.  
 Population, 15,000.  
 Price of Gas in 1889, \$3.00, \$2.25, \$2.00.  
 Number of public lamps, 8.  
 Price received for public lamps, 90 cents per month each.  
 Approximate annual output, 30,000.  
 Candle power, 24.

**St. Albans Gas Light Co., St. Albans.***Franklin County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$31,000.  
 President, S. T. Bodine.  
 Treasurer, Fred. N. Morton.  
 Secretary, Fred. N. Morton.  
 Purchasing Agent, Chas. E. Morgan (Drexel Bldg, Phila.).  
 Superintendent, Fred. N. Morton.  
 Process of Manufacture, Lowe (by Granger).  
 Population, 7,500.  
 Price of Gas in 1889, \$2.75 with dis., \$1.50 and \$1.75 stoves.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 4,500,000.  
 Candle power, 22.

**St. Johnsbury Gas Light Co., St. Johnsbury.***Caledonia County.*

Owners, E. & T. Fairbanks & Co.  
 Price of Gas in 1888, \$4.00.

**Windsor Gas Light Co., Windsor.***Windsor County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 President, H. P. McClary.  
 Treasurer, D. Tuxbury.  
 Secretary, L. C. White.  
 Purchasing Agent, H. P. McClary.  
 Superintendent, H. P. McClary.  
 Process of Manufacture, Oil.  
 Population, 1,700.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 500,000.  
 Candle power, 16.

**The Woodstock Gas Light Co., Woodstock.***Windsor County.*

Capital stock, \$  
 Total bonds outstanding,  
 President, Frederick Billings.  
 Treasurer, Frank N. Billings.  
 Secretary, Charles P. Marsh.  
 Purchasing Agent, Frederick Chapman.  
 Superintendent, Frederick Chapman.  
 Process of Manufacture, Butler Patent.  
 Population, 1,800.  
 Price of Gas in 1889, \$10.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 250,000.  
 Candle power, 16.

## VIRGINIA.

**Alexandria Gas Light Co., Alexandria.***Alexandria County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, L. McKenzie.  
 Treasurer, M. B. Harlow.  
 Secretary, R. T. Cook.  
 Purchasing Agent, J. Roxbury.  
 Superintendent, L. S. Kirby.

Process of Manufacture, Coal.  
 Population, 16,000.  
 Price of Gas in 1889, \$1.80 less 10%.  
 Number of public lamps, Electric Light.  
 Price received for public lamps,  
 Approximate annual output, 25,000,000.  
 Candle power, 16 to 18.  
 Operate Schuyler Electric System, 90 Arc Lights.

In Virginia the Gas Companies in the towns of Danville and Norfolk operate the *Thomson-Houston Electric System*. See advertisement, page x.

**City Gas Works, Charlottesville.**

*Albemarle County.*

Capital stock, \$60,000.  
Total bonds outstanding, none.  
President, none.  
Treasurer, W. T. Jones, (City Treasurer).  
Secretary, John N. Godwin.  
Purchasing Agent, T. J. Williams.  
Superintendent, T. J. Williams.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 75.  
Price received for public lamps, city free.  
Approximate annual output, 700,000.  
Candle power, 16 5/10.

**Danville Water and Gas Department.**

*Pittsylvania County.*

Capital stock, \$  
Total bonds outstanding, \$  
President,  
Treasurer, T. S. Williamson.  
Secretary, T. S. Williamson.  
Purchasing Agent,  
Superintendent, C. A. Ballon.  
Process of Manufacture, Coal.  
Population, 15,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 11,000,000.  
Candle power, 17.  
Operate Thomson-Houston Electric System, 82  
Arc and 25 Incandescent Lights.

**Citizens' Gas Co., Fredericksburg.**

*Spottsylvania County.*

Capital stock, \$  
Total bonds outstanding, \$  
President, E. Vanderpool.  
Treasurer, C. G. Rockwood.  
Secretary, C. G. Rockwood.  
Purchasing Agent, C. G. Rockwood.  
Superintendent, D. E. Fleming.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$3.00, 10% discount.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 2,000,000.  
Candle power, 18.

**Lynchburg Gas Light Co., Lynchburg.**

*Campbell County.*

Capital stock, \$115,625.  
Total bonds outstanding, none.  
President, Robert W. Crenshaw.  
Treasurer, T. H. Ivey.  
Secretary, T. H. Ivey.  
Purchasing Agent, Daniel McNamara.  
Superintendent, Daniel McNamara.  
Process of Manufacture, Coal.  
Population, 20,000.  
Price of Gas in 1889, \$2.00 private, city \$1.75.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 17,000,000.  
Candle power, 16 to 18.

**City Gas Light Co. of Norfolk, Norfolk.**

*Norfolk County.*

Capital stock, \$200,000.  
Total bonds outstanding, none.  
President, Charles S. Allmand.  
Treasurer, Charles S. Allmand.  
Secretary, Wm. N. Grubb.  
Purchasing Agent, C. S. Allmand.  
Superintendent, Thomas A. Bates.  
Process of Manufacture, Coal and Water Gas.  
Population, 32,000.  
Price of Gas in 1889, \$1.40 and \$1.35.  
Number of public lamps, 88 Arc Electric.  
Price received for public lamps, \$90.  
Approximate annual output, 50,000,000.  
Candle power, 21.  
Operate Thomson Houston Electric System, 130  
Arc and 100 Incandescent Lights.

**Petersburg Gas Light Co., Petersburg.**

*Dinwiddie County.*

Capital stock, \$130,000.  
Total bonds outstanding, none.  
President, John G. Dunn.  
Treasurer, Wm. F. Spotswood.  
Secretary, Wm. H. Baxter.  
Purchasing Agent, Wm. H. Baxter.  
Superintendent, Wm. H. Baxter.  
Process of Manufacture, Coal.  
Population, 22,600.  
Price of Gas in 1889, \$1.60 to \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 15,000,000.  
Candle power, 17½.

**Portsmouth Gas Co., Portsmouth.**

*Norfolk County.*

Capital stock, \$80,000.  
Total bonds outstanding, \$  
President, R. C. Marshall.  
Treasurer, R. C. Marshall.  
Secretary, R. C. Marshall.  
Purchasing Agent, R. S. Herbert.  
Superintendent, R. S. Herbert.  
Process of Manufacture, Coal.  
Population, 15,000.  
Price of Gas in 1889, \$2.70 : gross, \$2.50 net.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power,  
Operate American Electric System, 70 Arc  
Lights.

**City Gas Works, Richmond.**

*Henrico County.*

Capital stock, \$1,000,000.  
Total bonds outstanding, \$  
President, }  
Treasurer, } (Works owned by City.)  
Secretary, }  
Purchasing Agent, Wm. C. Adams.  
Superintendent, Wm. C. Adams.  
Process of Manufacture, Coal.  
Population 80,000.  
Price of Gas in 1889, \$1.50.  
Number of public lamps, 1,600.  
Price received for public lamps,  
Approximate annual output, 180,000,000.  
Candle power, \$19.50.

The care and attention given the details renders the *Thomson-Houston System* easy and economical to operate. See advertisement, page x.



**Roanoke Gas and Water Co., Roanoke.***Roanoke County.*

Capital stock, \$500,000.  
 Total bonds outstanding, \$100,000.  
 President, F. J. Kimball.  
 Treasurer, H. E. Gerhard.  
 Secretary, H. E. Gerhard.  
 Purchasing Agent, F. T. Brinkley.  
 Superintendent, F. T. Brinkley.  
 Process of Manufacture, Coal.  
 Population, 15,000 to 16,000.  
 Price of Gas in 1889, \$2.00 and \$1.75.  
 Number of public lamps, 125.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power, 17 to 18.

**Staunton Gas Co., Staunton.***Augusta County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, J. N. Henderson.  
 Treasurer, James H. Skinner.  
 Secretary, James H. Skinner.  
 Purchasing Agent, Jno. T. Long.  
 Superintendent, Jno. T. Long.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,

Price received for public lamps,  
 Approximate annual output, 10,500,000.  
 Candle power, 19.

**Suffolk Gas Co., Suffolk.***Nansemond County.*

President, James C. Causey.  
 Treasurer, D. D. Britt.  
 Secretary, V. C. Beamon.  
 Purchasing Agent, E. P. Miner.  
 Superintendent, C. P. Rodwel.  
 General Manager, C. P. Rodwel.  
 Population, 4,000.  
 Price of Gas in 1888, \$1.50.

**Winchester Gas Co., Winchester.***Frederick County.*

Capital stock, \$36,000.  
 Total bonds outstanding, \$  
 President, Wm. H. Baker.  
 Treasurer, S. P. Hartman.  
 Secretary, S. P. Hartman.  
 Purchasing Agent,  
 Superintendent, T. M. Snapp.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$2.00.  
 Approximate annual output, 3,000,000.  
 Candle power, 18, ~~the~~  
 Operate Schuyler Electric System, 56 Arc  
 Lights.

## WASHINGTON.

**Olympia Gas and Electric Light Co., Olympia.***Thurston County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$8,000.  
 President, R. Frost.  
 Treasurer, A. Farquhar.  
 Secretary, A. H. Chambers.  
 Purchasing Agent, A. H. Chambers.  
 Superintendent, C. McClelland.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps, 20.  
 Price received for public lamps, \$2.50 per  
 month.  
 Approximate annual output, 4,000,000.  
 Candle power, 16.  
 Operate Thomson-Houston Electric System, 30  
 Arc Lights.

**Port Townsend Gas and Fuel Co., Port Townsend.***Jefferson County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President and General Manager, John Lillie.  
 Treasurer, Theron J. Nolton.  
 Secretary, Theron J. Nolton.  
 Purchasing Agent, John Lillie.  
 Superintendent,  
 Process of Manufacture,  
 Population, 7,000.  
 Price of Gas in 1889,  
 Number of public lamps,

Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Seattle Gas Light Co., Seattle.***King County.*

Capital stock, \$  
 Total bonds outstanding, none.  
 President, Dexter Horton.  
 Treasurer, Authur A. Denny.  
 Secretary, N. Penfield.  
 Purchasing Agent, N. Penfield.  
 Superintendent, N. Penfield.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$2.00 and \$1.80.  
 Number of public lamps, none.  
 Price received for public lamps.  
 Approximate annual output, 27,000,000.  
 Candle power, 18.  
 Operate American and Thomson-Houston Elec-  
 tric Systems, 115 Arc Lights.

**Spokane Falls Gas Light Co., Spokane Falls.***Spokane County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, T. C. Hopper.  
 Treasurer, A. D. Hopper.  
 Secretary, A. D. Hopper.  
 Purchasing Agent,  
 Superintendent, H. C. Thompson.

In Washington the Gas Companies in the Towns of Olympia, Seattle and Tacoma operate the *Thomson-Houston Electric System*. See advertisement, page x.

Process of Manufacture, Coal.  
Population, 20,000.  
Price of Gas in 1889, \$2.50, less disc. 5, 7, 10%.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**Tacoma Light and Water Co., Tacoma.**

*Pierce County.*

Capital stock, \$1,500,000.  
Total bonds outstanding, \$300,000.  
President, Theodore Hosmer.  
Treasurer, J. H. Houghton.  
Secretary, J. H. Houghton.  
Purchasing Agent,  
Superintendent, Charles B. Hurley.  
Process of Manufacture, Coal.  
Population, 25,000.  
Price of Gas in 1889, \$3.00  
Number of public lamps, 2.  
Price received for public lamps, \$4.00 per month.  
Approximate annual output, 20,000,000.  
Candle power, 18.

Operate Thomson-Houston and American Arc Electric Systems, 500 Lights; Edison Municipal, 160 Lights; Westinghouse Incandescent, 750 Lights.

**The Walla Walla Gas and Electric Co., Walla Walla.**

*Walla Walla County.*

Capital stock, \$100,000, paid up \$70,000.  
Total bonds outstanding, \$  
President, H. Wadsworth.  
Treasurer, First National Bank of Walla Walla.  
Secretary, C. E. Burrows.  
Purchasing Agent, C. E. Burrows.  
Superintendent, C. E. Burrows.  
Process of Manufacture, Coal.  
Population, 7,000.  
Price of Gas in 1889, \$4.00, 10% disc. on 1000 feet per week.  
Number of public lamps, 30 Arc Electric.  
Price received for public lamps, \$13.00 per month.  
Approximate annual output, 4,000,000.  
Candle power, 20 to 22.  
Operate American Electric System, 85 Arc Lights.

## WEST VIRGINIA.

**Charleston Gas Light Co., Charleston.**

*Kanawha County.*

Capital stock, \$80,000.  
Total bonds outstanding, none.  
President, Frank Woodman.  
Treasurer, Frank Woodman.  
Secretary, E. B. Knight.  
Purchasing Agent, C. H. Hatcher.  
Superintendent, C. H. Hatcher.  
Process of Manufacture, Coal.  
Population, 12,000.  
Price of Gas in 1889, \$2.25, with 10% to 30% dis.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 8,500,000.  
Candle power, 17.

**Charlestown Gas and Water Co., Charlestown.**

President G. W. T. Kearsley.  
Treasurer, David Howell.  
Secretary, S. S. Dalgern.  
Purchasing Agent,  
Superintendent, O. M. Darlington.  
Process of Manufacture, Lowe.  
Population, 2,000.

**The Clarksburg Gas Co., Clarksburg.**

*Harrison County.*

Capital stock, \$20,000.  
Total bonds outstanding,  
President, N. Goff.  
Treasurer, R. T. Lowndes.  
Secretary, A. G. Smith.  
Purchasing Agent, R. T. Lowndes.  
Superintendent, E. F. Lowther.  
Process of Manufacture, Coal.  
Population, 2,500.

Price of Gas in 1889, \$2.00, with 10% to 50% dis  
Number of public lamps, none.  
Price received for public lamps.  
Approximate annual output,  
Candle power.

**Grafton Gas Co., Grafton.**

*West Virginia County.*

Capital stock, \$20,000.  
Total bonds outstanding,  
President, W. D. Swain.  
Treasurer, Geo. Brinkman.  
Secretary, T. Mallonee.  
Purchasing Agent, C. O. Newton.  
Superintendent, C. O. Newton.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$1.60.  
Number of public lamps, 26.  
Price received for public lamps, \$1.60.  
Approximate annual output, 5,000,000.  
Candle power, 18.

**Martinsburg Gas Co., Martinsburg.**

*Berkeley County.*

Capital stock, \$35,250.  
Total bonds outstanding, none.  
President, H. N. Deatruck.  
Treasurer, F. S. Emmert.  
Secretary, F. S. Emmert.  
Superintendent, D. Rollinson.  
Process of Manufacture, Coal.  
Population, 8,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 38.  
Price received for public lamps, \$19.50.  
Approximate annual output, 2,262,300.  
Candle power, 16.

Gas Companies should investigate the *Thomson-Houston System* before purchasing any other. The best is always the cheapest. See advertisement, page x.

## WEST VIRGINIA.

**Parkersburg Gas Light Co., Parkersburg.***Wood County.*

Capital stock, \$150,000.  
 Total bonds outstanding,  
 President, W. A. McCash.  
 Treasurer, R. Alexander.  
 Secretary, R. Alexander.  
 Purchasing Agent,  
 Superintendent, C. S. Despard.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$1.60.  
 Number of public lamps,  
 Price received for public lamps.  
 Approximate annual output.  
 Candle power,

**City Gas Works, Wheeling.***Ohio County.*

Capital stock,  
 Total bonds outstanding,  
 Board of Trustees { H. H. Dunlevy, Pres't,  
                               Wm. H. Shafer,  
                               A. J. Schultze.  
 President, H. H. Dunlevy.  
 Treasurer,  
 Secretary, A. A. Franzheim,  
 Assistant Secretary, Geo. Heil.  
 Purchasing Agent, Geo. Heil.  
 Superintendent, S. M. Darrah.  
 Process of Manufacture, Coal.  
 Population, 35,000.  
 Price of Gas in 1889, \$1.00, with 25% dis.  
 Number of public lamps, 650.  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

## WISCONSIN.

**Appleton Gas Light Co., Appleton.***Outagamie County.*

Capital stock,  
 Total bonds outstanding,  
 President, C. C. Goff.  
 Treasurer, J. P. Buck.  
 Secretary, Leslie C. Mainland.  
 Purchasing Agent, Chas. Lillge.  
 Superintendent, Chas. Lillge.  
 Process of Manufacture, Coal.  
 Population, 13,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**Ashland Lighting Co., Ashland.***Ashland County.*

Capital stock,  
 Total bonds outstanding, none.  
 President, Edwin Ellis.  
 Treasurer, Thos. Bardon.  
 Secretary, W. M. Tomkins.  
 Purchasing Agent, Geo. W. Marshall.  
 Superintendent, Geo. W. Marshall.  
 Process of Manufacture, Naphtha.  
 Population, 16,000.  
 Price of Gas in 1889, \$2.00 with 10% disc.  
 Number of public lamps, 111.  
 Price received for public lamps, \$2.00 per mo.  
 Approximate annual output, 12,000,000.  
 Candle power,  
 Operate Thomson-Houston and Brush Arc  
 Electric System, 80 Lights; Thomson-Hous-  
 ton Incandescent, 150 Lights.

**Baraboo Gas and Electric Light Co., Baraboo.***Sauk County.*

Capital stock, \$30,000.  
 Total bonds outstanding, \$15,000.  
 President, R. A. Cowan.  
 Treasurer, W. A. Warren.  
 Secretary, M. A. Warren.

**Purchasing Agent, M. A. Warren.**

Superintendent, W. F. Wackler.  
 Process of Manufacture, Oil.  
 Population, 6,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 67.  
 Price received for public lamps, \$18, \$24, and  
 \$36.  
 Approximate annual output,  
 Candle power, 16.

**The Beloit Gas Light and Coke Co., Beloit.***Rock County.*

Capital stock, \$67,825.  
 Total bonds outstanding, none.  
 President, J. R. Adams.  
 Treasurer, Joseph Hendley.  
 Secretary, Joseph Hendley.  
 Purchasing Agent, Joseph Hendley.  
 Superintendent, Joseph Hendley.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.25, \$2.10, \$2.00.  
 Number of public lamps, Electric light.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power,

**Chippewa Falls Gas Light Co., Chippewa Falls.***Chippewa County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$15,000.  
 President, L. C. Stanley.  
 Treasurer, L. M. Newman.  
 Secretary, L. M. Newman.  
 Purchasing Agent,  
 Superintendent,  
 Process of Manufacture, Lowe (by Springer).  
 Population, 14,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 92.  
 Price received for public lamps, \$29.00.  
 Approximate annual output, 5,000,000.  
 Candle power, 25.

In Wisconsin the Gas Companies in the towns of Ashland, Neenah and Superior operate the *Thomson-Houston Electric System*. See advertisement, page x.



**Eau Claire Gas Co., Eau Claire.***Eau Claire County.*

Capital stock, \$45,000.  
 Total bonds outstanding, \$16,000.  
 President, M. Griffin.  
 Treasurer, David Drummond.  
 Secretary, David Drummond.  
 Purchasing Agent, David Drummond.  
 Superintendent, A. R. Morgan.  
 Process of Manufacture, Coal.  
 Population, 25,000.  
 Price of Gas in 1889, \$3.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Brush Arc Electric System, 128 Lights;  
 National Incandescent, 1,000 Lights.

**Fond du Lac Gas Co., Fond du Lac.***Fond du Lac County.*

Capital stock, \$50,000.  
 Total bonds outstanding,  
 President, Joseph Andrews.  
 Treasurer, John Rodgers.  
 Secretary, Wm. Mainland.  
 Purchasing Agent, John Rodgers.  
 Superintendent, T. J. Murphy.  
 Process of Manufacture, Coal.  
 Population, 12,000.  
 Price of Gas in 1889, \$2.00 and \$1.75.  
 Approximate annual output, 4,000,000.  
 Candle power, 18.  
 Operate Brush Electric System, 40 Arc Lights.

**Green Bay Gas Light and Fuel Co., Green Bay.***Brown County.*

Capital stock, \$2,000.  
 Total bonds outstanding, \$  
 President, S. D. Hastings, Jr.  
 Treasurer, Carroll Collins.  
 Secretary, Carroll Collins.  
 Purchasing Agent, Carroll Collins.  
 Superintendent, Carroll Collins.  
 Process of Manufacture, Coal.  
 Population, about 8,000.  
 Price of Gas in 1889, \$1.90 to \$2.25.  
 Number of public lamps, 20.  
 Price received for public lamps,  
 Approximate annual output, 5,000,000.  
 Candle power, 18.  
 Operate Green Bay and Ft. Howard Electric Co.,  
 Western Electric System, 77 Arc Lights.

**New Gas Light Company, Janesville.***Rock County.*

Capital stock, \$75,000.  
 Total bonds outstanding, none.  
 President, N. J. Rees.  
 Treasurer, Hiram Merrill.  
 Secretary, Hiram Merrill.  
 Purchasing Agent, Hiram Merrill.  
 Superintendent, Hiram Merrill.  
 Process of Manufacture, Springer and Coal.  
 Population, 11,000.  
 Price of Gas in 1889, \$1.50 to \$2.00.  
 Number of public lamps, 165.  
 Price received for public lamps, \$1.50 per M.  
 Approximate annual output, 13,000,000.  
 Candle power, 22.

**Kenosha Gas, Electric Light and Fuel Co., Kenosha.***Kenosha County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$50,000.  
 President, J. H. Kimball.  
 Treasurer, J. H. Kimball.  
 Secretary, E. N. Kimball.  
 Purchasing Agent, J. H. Kimball.  
 Superintendent, J. H. Kimball.  
 Process of Manufacture, Loomis.  
 Population, 9,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps,  
 Price received for public lamps, \$  
 Approximate annual output, 5,000,000.  
 Candle power, 22.

**La Crosse Gas Light Co., La Crosse.***La Crosse County.*

Capital stock, \$150,000.  
 Total bonds outstanding, \$8,000.  
 President, James Vincent.  
 Treasurer, Geo. MacMillan.  
 Secretary, Geo. MacMillan.  
 Purchasing Agent, Geo. MacMillan.  
 Superintendent, Geo. MacMillan.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$2.00 and \$1.50.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 16,000,000.  
 Candle power, 17½.

**Madison City Gas Light and Coke Co., Madison.***Dane County.*

Capital stock, \$55,000.  
 Total bonds outstanding, none.  
 President, M. E. Fuller.  
 Treasurer, John Corscot.  
 Secretary, John Corscot.  
 Purchasing Agent, John Corscot.  
 Superintendent, John Mallaney.  
 Process of Manufacture, Coal and Lowe (by Springer).  
 Population, 14,000.  
 Price of Gas in 1889, \$2.50 to \$1.90 net.  
 Number of public lamps, 61.  
 Price received for public lamps, \$27.00.  
 Approximate annual output, 13,000,000.  
 Candle power, 20.

**The Marinette Lighting Co., Marinette.***Marinette County.*

Capital stock, \$50,000.  
 Total bonds outstanding, none.  
 President, Thos. Higgins.  
 Treasurer, A. C. Merriman.  
 Secretary, C. M. Fairchild.  
 Purchasing Agent, H. C. Higgins.  
 General Manager, H. C. Higgins.  
 Process of Manufacture, Patton.  
 Population, 9,000.  
 Price of Gas in 1889, \$1.50.  
 Number of public lamps, 20 Electric.  
 Price received for public lamps, \$7.00.  
 Approximate annual output,  
 Candle power, 17.  
 Operate Brush Electric System, 60 Arc and 100  
 Incandescent Lights.

Some of the most successful Electric Lighting Companies are the Gas Companies using the *Thomson-Houston System*. See advertisement page x.

**The Milwaukee Gas Light Co., Milwaukee.***Milwaukee County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, H. H. Button.  
 Treasurer, G. Kremers.  
 Secretary, G. Kremers.  
 Purchasing Agent,  
 Superintendent, E. G. Cowdery.  
 Process of Manufacture, Coal and Water.  
 Population, 200,000.  
 Price of Gas in 1889 : private, \$1.20 to \$1.00 ;  
 city, 90c.  
 Number of public lamps, 2,300.  
 Price received for public lamps, \$24.17.  
 Approximate annual output,  
 Candle power;

**Neenah and Menasha Gas and Electric Co., Neenah.***Winnebago County.*

Capital stock, \$40,000.  
 Total bonds outstanding, \$20,000 issued, \$15,000  
 sold.  
 President, E. L. Matherson.  
 Treasurer, Edward Smith.  
 Secretary, Thos. Higgins.  
 Purchasing Agent, Thos. Higgins.  
 Superintendent, Thos. Higgins.  
 Process of Manufacture, Patton.  
 Population, 5,500 Neenah, 4,500 Menasha.  
 Price of Gas in 1889, \$2.00, with discount.  
 Number of public lamps, 43.  
 Price received for public lamps, \$2.25.  
 Approximate annual output,  
 Candle power, 16.  
 Operate Brush and Thomson-Houston Arc  
 Electric System, 45 Lights; Edison Incandes-  
 cent, 500 Lights.

**The Oshkosh Gas Light Co., Oshkosh.***Winnebago County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$  
 President, Joseph Andrews.  
 Treasurer, John Rodgers.  
 Secretary, Wm. Maineund.  
 Purchasing Agent, John Rodgers.  
 Superintendent, Wm. Mainland.  
 Process of Manufacture, Coal.  
 Population, 30,000.  
 Price of Gas in 1889, \$2.00 and \$2.50.  
 Number of public lamps, 42.  
 Price received public lamps, \$25.50.  
 Approximate annual output,  
 Candle power, 18.  
 Operate Brush Electric System, 90 Arc Lights.

**Portage American Gas Co., Portage.***Columbia County.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, M. T. Alverson.  
 Treasurer, Chas. V. Grant.  
 Secretary, J. B. Taylor.  
 Purchasing Agent, Chas. V. Grant.  
 Superintendent, J. H. Daly.  
 Process of Manufacture, Coal.  
 Population, 6,000.

Price of Gas in 1889, \$2.50, dis. 50c.  
 Number of public lamps, 41.  
 Price received for public lamps, \$20.00.  
 Approximate annual output,  
 Candle power, 13.

**The Racine Gas Light Co., Racine.***Racine County.*

Capital stock, \$100,000.  
 Total bonds outstanding, \$  
 President, Joseph Andrews.  
 Treasurer, John Rodgers.  
 Secretary, John Rodgers.  
 Purchasing Agent, John Rodgers.  
 Superintendent, John Rodgers.  
 Process of Manufacture, Coal.  
 Population, 20,000.  
 Price of Gas in 1889, \$1.40 to \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps, none.  
 Approximate annual output, 1,000,000.  
 Candle power, 18.  
 Operate Brush Electric System, 150 Arc and  
 —Incandescent Lights.

**Ripon Lighting Co., Ripon.***Fond du Lac County.*

Capital stock, 25,000.  
 Total bonds outstanding, none.  
 President, Thos. Higgins.  
 Treasurer, H. P. Cody.  
 Secretary, H. P. Cody.  
 Purchasing Agent, H. P. Cody.  
 Superintendent, J. Oyster.  
 Process of Manufacture, Oil.  
 Population, 4,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 50.  
 Price received for public lamps, \$11.00.  
 Approximate annual output,  
 Candle power,

**The Sheboygan National Gas Co.***Sheboygan County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$40,000.  
 President, F. G. Springer.  
 Treasurer, T. W. Broadhurst.  
 Secretary, C. D. Hauk.  
 Purchasing Agent, C. E. Morgan, Drexel Build-  
 ing, Phila.  
 Superintendent, J. J. Russell.  
 Process of Manufacture, Lowe (by Springer).  
 Population, 20,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 75.  
 Price received for public lamps, \$20.00.  
 Approximate annual output, 7,000,000.  
 Candle power, 22.

**Stevens Point Lighting Co., Stevens Point.***Portage County.*

Capital stock, \$35,000.  
 Total bonds outstanding, none.  
 President, A. R. Week.  
 Treasurer, Emmons Burr.  
 Secretary, E. R. Herron.  
 Purchasing Agent, Louis Brill.

The *Thomson-Houston System* gives a greater amount of light for a given expenditure of energy than any other system. See advertisement, page x.

Superintendent, Geo. Greenwood.  
 Process of Manufacture,  
 Population, 9,500.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,  
 Operate Brush Electric System, 40 Arc and 50  
 Incandescent Lights.

**Superior Water Light and Power Co., Superior.**

*Douglas County.*

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$  
 President, A. H. Wilder.  
 Treasurer, V. M. Watkins.  
 Secretary, Frank A. Ross.  
 Purchasing Agent, John Mather.  
 General Manager, John Mather.  
 Process of Manufacture, Springer.  
 Population, 14,500.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 125.  
 Price received for public lamps, \$2.00 per M.  
 Approximate annual output, 40,000 per day.  
 Candle power, 20.  
 Operate Thomson-Houston and Western Arc  
 Electric System, 275 Lights; Westinghouse  
 Alternating and Daft Incandescent, 1,200  
 Lights.

**Watertown Gas Co., Watertown.**

*Jefferson County.*

Capital stock, \$24,000.  
 Total bonds outstanding, \$  
 President, John Ford.  
 Treasurer, G. Hawkins.  
 Secretary, C. Cheney.  
 Purchasing Agent, C. Mackay.  
 Superintendent, C. Mackay.  
 Process of Manufacture, Coal.

Population, 10,000.  
 Price of Gas in 1889, \$2.00, \$1.80, \$1.60.  
 Number of public lamps, 111.  
 Price received for public lamps, \$2.00 per 1,000.  
 Approximate annual output, 4,000,000.  
 Candle power, 17.

**Waukesha American Gas Co., Waukesha.**

*Waukesha County.*

Capital stock, \$60,000.  
 Total bonds outstanding, none.  
 President, F. H. Putney.  
 Treasurer, Chas. V. Grant.  
 Secretary, F. W. Haight.  
 Purchasing Agent, Chas. V. Grant.  
 Superintendent, Geo. A. Farwell.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps (no gas), 129 Electric.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 17 to 18.  
 Operate United States Incandescent Electric  
 System, 700 Lights.

**Wausau Gas Light Coke Co., Wausau.**

*Marathon County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$  
 President, D. L. Plumer.  
 Treasurer, Geo. Clayton.  
 Secretary, Geo. Clayton.  
 Purchasing Agent, Geo. Clayton.  
 Superintendent, John H. Farrell.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps, 90.  
 Price received for public lamps, \$24.00.  
 Approximate annual output, 4,000,000.  
 Candle power, 16.

## WYOMING TERRITORY.

**Cheyenne City Gas Co., Cheyenne.**

*Laramie County.*

Capital stock, \$53,800 issued ; \$500,000 author-  
 ized.  
 Total bonds outstanding, none.  
 President, F. E. Warren.  
 Treasurer, S. B. Tuttle.  
 Secretary, S. B. Tuttle.  
 Purchasing Agent, President or Secretary.

Superintendent, H. V. Bartlett.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$3.00, 10% to 30% discount.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 8,000,000.  
 Candle power, 18 to 20.  
 Operate Brush Arc Electric System, 150 Lights;  
 Swan and Brush Incandescent Systems, 3,000  
 Lights.

## DOMINION OF CANADA.

**BRITISH COLUMBIA.**

**Victoria Gas Co., Limited, Victoria.**

*Victoria District.*

Capital stock, \$200,000.  
 Total bonds outstanding, none.  
 President, C. W. R. Thomson.  
 Treasurer, C. W. R. Thomson.  
 Secretary, C. W. R. Thomson.

Purchasing Agent, C. W. R. Thomson.  
 Superintendent, F. Hewlings.  
 Process of Manufacture, Coal.  
 Population, 17,000.  
 Price of Gas in 1889, \$2.00 Light; \$1.25 Fuel.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 20,000,000.  
 Candle power, 19.

In the Dominion of Canada the Gas Companies in the towns of  
 Winnipeg, Man., Moncton, N. B., St. John, N. B., Windsor, N. S.,  
 operate the *Thomson-Houston Electric System*. See advertisement, page x.



**MANITOBA.****Manitoba Electric & Gas Light Co., Winnipeg.***Selkirk County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$  
 President, W. E. Perdue.  
 Treasurer, Wm. Bathgate.  
 Secretary, Wm. Bathgate.  
 Purchasing Agent,  
 Superintendent, James Stuart.  
 Process of Manufacture, Lowe.  
 Population, 25,000.  
 Price of Gas in 1889, \$2.70 net.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output 15,000,000.  
 Candle power, 21.  
 Operate Thomson-Houston and Weston Arc  
 Electric System, 75 Street Lights, 30 Private;  
 Thomson-Houston Alternating Incandescent,  
 1400 Lights.

**NEW BRUNSWICK.****The Chatham Gas Light Co., Chatham.***Northumberland County.*

Capital stock, \$17,000.  
 Total bonds outstanding, none.  
 President, T. F. Gillespie.  
 Treasurer, R. Hocken.  
 Secretary, M. S. Hocken.  
 Purchasing Agent, M. S. Hocken.  
 Superintendent, William C. Smythe.  
 Process of Manufacture, Coal.  
 Population, 5,000.  
 Price of Gas in 1889, \$3.20.  
 Number of public lamps, 18; not used.  
 Price received for public lamps,  
 Approximate annual output, \$800,000.  
 Candle power, 16.

**Fredericton Gas Light Co., Fredericton.***York County.*

Capital stock, \$48,600.  
 Total bonds outstanding, \$3,000.  
 President, M. Richey.  
 Treasurer, W. M. Cathels.  
 Secretary, W. M. Cathels.  
 Purchasing Agent, W. M. Cathels.  
 Superintendent, W. M. Cathels.  
 Process of Manufacture, Coal.  
 Population, 7,000.  
 Price of Gas in 1889, \$3.00 with discounts.  
 Number of public lamps, 67.  
 Price received for public lamps, \$24.40.  
 Approximate annual output, 3,750,000.  
 Candle power, 16.  
 Operate Ball and Waterhouse Arc Electric  
 System, 120 Lights.

**Moncton Gas Light & Water Co., Moncton.***Westmoreland County.*

Capital stock, \$120,000.  
 Total bonds outstanding, \$60,000  
 President, John L. Harris.  
 Treasurer, C. P. Harris.  
 Secretary, R. A. Borden.  
 Purchasing Agent, C. P. Harris.

Superintendent, John Edington.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$3.25.  
 Number of public lamps, Electric.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 17.  
 Operate Thomson-Houston Electric System, 96  
 Arc, and 600 Incandescent Lights.

**St. John Gas Light Co., St. John.***St. John County.*

Capital stock, \$320,000.  
 Total bonds outstanding, \$  
 President, Mason Sheffield.  
 Treasurer, George R. Ellis.  
 Secretary, George R. Ellis.  
 Purchasing Agent,  
 Superintendent, George A. Davenport.  
 Process of Manufacture, Coal.  
 Population, 51,000.  
 Price of Gas in 1889, \$1.80 net.  
 Number of public lamps, 276 Gas, 60 Electric.  
 Price received for public lamps, \$20.40.  
 Approximate annual output, 45,000,000.  
 Candle power, 18.  
 Operate Thomson-Houston Electric System, 230  
 Arc and — Incandescent Lights.

**NEWFOUNDLAND.****St. John's Gas Light Co., St. John's.***District of St. John's.*

Capital stock, \$  
 Total bonds outstanding, \$  
 President, Hon. Chas. Bowring.  
 Treasurer, W. F. Rennie.  
 Secretary, W. F. Rennie.  
 Purchasing Agents, C. T. Bowring & Co., Liv-  
 erpool, England.  
 Superintendent, John Rooney.  
 Process of Manufacture,  
 Population, 40,000.  
 Price of Gas in 1889,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**NOVA SCOTIA.****Halifax Gas Light Co., Halifax.***Halifax County.*

Capital stock, \$400,000.  
 Total bonds outstanding, \$  
 President, Dominick Farrell.  
 Treasurer,  
 Secretary, Franz Schaefer.  
 Purchasing Agent,  
 Superintendent, Robt. Baxter.  
 Process of Manufacture, Coal.  
 Population, 36,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 33,000.  
 Candle power, 21.  
 Operate American Arc Electric System, 100  
 Lights, Fort Wayne "Slattery" Incandescent  
 System, 1950 Lights.

In the Dominion of Canada the Gas Companies in the towns of Chatham, Ont., Guelph, Ont., Ottawa, Ont., Owen Sound, Ont., St. Thomas, Ont., Windsor, Ont., St. Hyacinth, Quebec, and Sherbrooke, Quebec, operate the *Thomson-Houston Electric System*. See advertisement, page x.

**Pictou Gas Light Co., Pictou.***Pictou County.*

Capital stock,  
Total bonds outstanding, \$  
President, Fred. MacLennan.  
Treasurer, Fred. MacLennan.  
Secretary, Fred. MacLennan.  
Purchasing Agent, Fred. MacLennan.  
Superintendent, Fred. MacLennan.  
Process of Manufacture, Coal.  
Population, 4,000.  
Price of Gas in 1889,  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**Windsor Gas Light Co., Windsor.***Windsor County.*

Capital stock, \$20,000.  
Total bonds outstanding, \$  
President, W. H. Blanchard.  
Treasurer, Arthur J. Lawrence.  
Secretary, Arthur J. Lawrence.  
Purchasing Agent,  
Superintendent,  
Process of Manufacture, Water and Oil,  
Population, 5,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,  
Operate Thomson-Houston Electric System, 40  
Arc Lights, and U. S. System, 40 Arc Lights.

**Yarmouth Gas Light Co., Yarmouth.***Yarmouth County.*

Capital stock, \$36,000.  
Total bonds outstanding, \$  
President, Robert Caie.  
Treasurer, Thomas Killam.  
Secretary, Thomas Killam.  
Purchasing Agent, Thomas Killam.  
Superintendent, Jas. W. Burton.  
Process of Manufacture, Coal.  
Population, 7,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 3,500,000.  
Candle power, 16.

**ONTARIO.****The Barrie Gas Co., Barrie.***Simcoe County.*

Capital stock, \$27,880.  
Total bonds outstanding, \$  
President, N. Dymont.  
Treasurer, S. Dymont.  
Secretary, S. Dymont.  
Purchasing Agent, Wm. Littlehales.  
Superintendent, Wm. Littlehales.  
Process of Manufacture, Coal.  
Population, 6,000.  
Price of Gas in 1889, \$2.50 less discounts.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 2,500,000.  
Candle power, 16.

**Belleville Gas Co., Belleville.***Hastings County.*

Capital stock, \$80,000.  
Total bonds outstanding, \$  
President, John Bell, Q. C.  
Treasurer, S. R. Earle.  
Secretary, S. R. Earle.  
Purchasing Agent, S. R. Earle.  
Superintendent, S. R. Earle.  
Process of Manufacture, Springer.  
Population, 10,000.  
Price of Gas in 1889, \$2.25 net.  
Number of public lamps, 110.  
Price received for public lamps, \$20.  
Approximate annual output, 10,000,000.  
Candle power, 20.  
Operate Ball Electric System, 90 Arc Lights.

**The Berlin Gas Co., Berlin,***Waterloo County.*

Capital stock, \$45,000.  
Total bonds outstanding, none.  
President, L. J. Breithaupt.  
Treasurer, E. Carl Breithaupt.  
Secretary, E. Carl Breithaupt.  
Purchasing Agent, E. Carl Breithaupt.  
Superintendent, E. Carl Breithaupt.  
Process of Manufacture, Water Gas.  
Population, 9,000.  
Price of Gas in 1889, \$2.00 net.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,  
Operate Ball Electric System, 50 Arc Lights.

**The Brantford Gas Light Co., Brantford.***Brant County.*

Capital stock, 62,000.  
Total bonds outstanding, none.  
President, I. Cockshutt.  
Treasurer, Alex Robertson.  
Secretary, Alex Robertson.  
Lessees, Alex Finkle & Co.  
Superintendent, R. S. Schell.  
Process of Manufacture, Water Gas—English  
System.  
Population, 14,000.  
Price of Gas in 1889, \$2.00 net, \$1.50 for heating.  
Number of public lamps, 111.  
Price received for public lamps, \$22.00.  
Approximate annual output, 9,000,000 through  
consumers meters.  
Candle power, 19½.

**The Brockville Gas Light Co., Brockville.***Leeds County.*

Capital stock, \$80,000—only \$36,000 subscribed.  
Total bonds outstanding, none.  
President, T. D. Buell.  
Treasurer, T. Wilkinson.  
Secretary, T. Wilkinson.  
Purchasing Agent, T. Wilkinson.  
Superintendent, T. Wilkinson.  
Process of Manufacture, Lowe.  
Population, about 9,000.  
Price of Gas in 1889, \$2.00 net; Fuel, \$1.50.  
Number of public lamps, 82.  
Price received for public lamps, \$20.  
Approximate annual output, 6,000,000.

The *Thomson-Houston Company* supplies apparatus for Arc and Incandescent Lighting, and the electrical transmission of power. See advertisement, page x.



Candle power, 21.  
Operate Ball & Reliance Electric Systems, 30  
Arc, 6 Incandescent from Arc Circuit.

**Chatham Gas Light Co., Limited, Chatham.**

*Kent County.*

Capital stock, \$50,000.  
Total bonds outstanding, \$  
President, James Lamont.  
Treasurer, James Lamont.  
Secretary, M. Houston.  
Purchasing Agent, Jas. Lamont.  
Superintendent, Jas. Lamont.  
Process of Manufacture, Coal.  
Population, 9,000.  
Price of Gas in 1889, \$1.75 to \$2.25 net; \$1.00  
for Fuel.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power, 16.50.  
Operate Thomson-Houston, Brush and Ball  
Electric Systems, 85 Arc Lights.

**Cobourg Gas Co., Cobourg.**

*Northumberland County.*

Capital stock,  
Total bonds outstanding, \$  
President, Thos. Littlehales.  
Treasurer, E. J. Baker.  
Secretary, E. J. Baker.  
Purchasing Agent, Thos. Littlehales.  
Superintendent, E. J. Baker.  
Process of Manufacture, Coal.  
Population, 5,000.  
Price of Gas in 1889, \$2.50 and \$3.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power, 17½.

**Cornwall Gas Co., Cornwall.**

*Stormont County.*

Capital stock,  
Total bonds outstanding, \$  
President, William Clendenning.  
Treasurer, D. Robertson.  
Secretary, D. Robertson.  
Purchasing Agent, D. Robertson.  
Superintendent, Jno. H. Dewar.  
Process of Manufacture, Fuel Water Gas.  
Population, 8,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**The Rathbun Co., Deseronto.**

*Hastings County.*

Capital stock, \$  
Total bonds outstanding, \$  
President, E. W. Rathbun.  
Treasurer, F. S. Rathbun.  
Secretary, F. S. Rathbun.  
Purchasing Agent,  
Superintendent,  
Process of Manufacture, Water Gas.  
Population, 3,000.

Price of Gas in 1889, \$1.75.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output,  
Candle power,

**Dundas Gas Light Co., Dundas.**

*Wentworth County.*

Capital stock, \$40,000.  
Total bonds outstanding, \$  
President, H. C. Hammond.  
Treasurer, Mark B. Thomas.  
Secretary, Mark B. Thomas.  
Purchasing Agent, Mark B. Thomas.  
Superintendent, Mark B. Thomss.  
Process of Manufacture, Water Gas.  
Population, 5,000.  
Price of Gas in 1889, from \$2.00 to \$2.75 net.  
Number of public lamps, 53.  
Price received for public lamps, \$18.00.  
Approximate annual output, 5,000,000.  
Candle power, 19 average.

**Guelph Gas Co., Guelph.**

*Wellington County.*

Capital stock, \$100,000.  
Total bonds outstanding, \$  
President, Donald Guthrie, Q. C.  
Treasurer, John Yule.  
Secretary, John Yule.  
Purchasing Agent, John Yule.  
Superintendent, John Yule.  
Process of Manufacture, Lowe.  
Population, 10,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, 100.  
Price received for public lamps, \$22.00.  
Approximate annual output, 8,000,000.  
Candle power, 20.  
Operate Ball Electric System, 60 Arc Lights.  
Thomson-Houston Incandescent, 500 Lights.

**Hamilton Gas Light Co., Hamilton.**

*Wentworth County.*

Capital stock, \$230,000.  
Total bonds outstanding, \$  
President, F. W. Gates.  
Treasurer, T. Littlehales.  
Secretary, T. Littlehales.  
Purchasing Agent, T. Littlehales.  
Superintendent, T. Littlehales.  
Engineer and Manager, T. Littlehales.  
Process of Manufacture, Coal.  
Population, 50,000.  
Price of Gas in 1889, \$1.60, \$1.50 and \$1.25.  
Number of public lamps, 480.  
Price received for public lamps, \$15.00.  
Approximate annual output, 50,000,000,  
Candle power, 17 to 18.

**The Ingersoll Gas Light Co., Ingersoll.**

*Oxford County.*

Capital stock, \$20,000.  
Total bonds outstanding, \$  
President, W. C. Noxon.  
Treasurer, W. C. Noxon.  
Secretary, W. C. Noxon.  
Purchasing Agent, James Noxon.

The *Thomson-Houston Electric Company* was one of the first to show Gas Companies that it was to their advantage to combine Gas and Electric Lighting. See advertisement, page x.



Superintendent, Walter Mills.  
Process of Manufacture, Coal.  
Population, 5,500.  
Price of Gas in 1889, \$2.50.  
Number of public lamps, 38.  
Price received for public lamps, \$20.00.  
Approximate annual output, 1,500,000.  
Candle power, 18.

#### City of Kingston Gas Light Co., Kingston.

*Frontenac County.*

Capital stock, \$80,000.  
Total bonds outstanding, \$  
President, Dr. J. A. Henderson, Q. C.  
Treasurer, E. Moore.  
Secretary, E. Moore.  
Purchasing Agent,  
Superintendent, John Kerr.  
Process of Manufacture, Lowe.  
Population, 20,000.  
Price of Gas in 1889, \$2.00 Light; \$1.00 Fuel.  
Number of public lamps,  
Price received for public lamps,  
Approximate annual output, 12,000,000.  
Candle power, 22.

#### Consumers' Gas Co., Lindsay.

*Victoria County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, J. R. Dundas.  
Treasurer, F. C. Taylor.  
Secretary, F. C. Taylor.  
Purchasing Agent, F. C. Taylor.  
Superintendent, James Smith.  
Process of Manufacture, Lowe.  
Population, 6,000.  
Price of Gas in 1889, \$3 net.  
Number of public lamps, 22.  
Price received for public lamps, \$20.00.  
Approximate annual output, 2,000,000.  
Candle power, 22½ average.

#### Listowel Gas Light Co., Listowel.

*Perth County.*

Capital stock, \$25,000.  
Total bonds outstanding, \$  
Hay Bros., owners.  
Treasurer, F. W. Hay.  
Secretary, F. W. Hay.  
Purchasing Agent,  
Superintendent, Thomas Yale.  
Process of Manufacture, Oil.  
Population, 3,500.  
Price of Gas in 1889, \$2.00 and \$2.50.  
Number of public lamps, 28.  
Price received for public lamps, \$14.00.  
Approximate annual output, 1,700,000.  
Candle power, 21 to 40.

#### The City Gas Co., London.

*Middlesex County.*

Capital stock, \$250,000.  
Total bonds outstanding, none.  
President, William Duffield.  
Treasurer, R. W. Kidner.

Secretary, R. W. Kidner.  
Purchasing Agent, Jas. C. Duffield.  
Superintendent, Jas. C. Duffield.  
Process of Manufacture, Oil.  
Population, 30,000.  
Price of Gas in 1889, \$1.00 to \$1.50.  
Number of public lamps, 200.  
Price received for public lamps, \$15.00.  
Approximate annual output, 30,000,000.  
Candle power, 20 to 22.

#### Napanee Gas Co., Napanee.

*Lennox County.*

Capital stock, \$42,500.  
Total bonds outstanding, \$  
President, John Herring.  
Treasurer, Orlin L. Herring.  
Secretary, James E. Herring.  
Purchasing Agent, O. L. Herring.  
Superintendent, John Good.  
Process of Manufacture, Water Gas.  
Population, 4,000.  
Price of Gas in 1889, \$2.40 and \$2.00 net.  
Number of public lamps, none.  
Price received for public lamps.  
Approximate annual output, 1,500,000.  
Candle power, 23.

#### Ottawa Gas Co., Ottawa.

*Carleton County.*

Capital stock, \$300,000.  
Total bonds outstanding, none.  
President, Samuel Howell.  
Treasurer, Alex. Spottal.  
Secretary Alex. Spottal.  
Purchasing Agent, Francis Clemon, Managing Director.  
Superintendent, John Holt.  
Process of Manufacture, Coal and Water.  
Population, 45,000.  
Price of Gas in 1889, \$2 per 1,000.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output, 35,000,000.  
Candle power,  
Operate Thomson-Houston Electric System, 400 Arc Lights.

#### Owen Sound Gas Light Co., Owen Sound.

*Grey County.*

Capital stock, \$50,000.  
Total bonds outstanding, none.  
President, S. J. Parker.  
Treasurer, John Parker.  
Secretary, Wm. Brown.  
Purchasing Agent, S. J. Parker.  
Manager, S. J. Parker.  
Process of Manufacture, English patent.  
Population, 8,000.  
Price of Gas in 1889, \$2.00.  
Number of public lamps, none.  
Price received for public lamps,  
Approximate annual output,  
Candle power, 22.  
Operate Thomson-Houston Electric System, 80 Arc Lights.

The use of the *Thomson-Houston Arc Dynamo* permits the operation of Arc and Incandescent Lamps upon the same circuit and from the same dynamo. See advertisement, page x.

**Peterborough Gas Co., Peterborough.***Peterborough County.*

Capital stock, \$40,000.  
 Total bonds outstanding,  
 President, D. W. Dunkle.  
 Treasurer, A. Stevenson.  
 Secretary, A. Stevenson.  
 Purchasing Agent, A. Stevenson.  
 Superintendent, W. Drury.  
 Process of Manufacture, Coal and Oil.  
 Population, 11,000.  
 Price of Gas in 1889, \$1.50 and \$2.00.  
 Number of public lamps, 60.  
 Price received for public lamps, \$20.  
 Approximate annual output, 10,000,000.  
 Candle power, 19.

**The Port Hope Gas Light Co., Port Hope.***Durham County.*

Capital stock, \$34,860.  
 Total bonds outstanding, \$  
 President, John Smart.  
 Treasurer, J. T. Henwood.  
 Secretary, J. T. Henwood.  
 Purchasing Agent, the President.  
 Superintendent, James Edmunds.  
 Process of Manufacture, Coal.  
 Population, 5,500.  
 Price of Gas in 1889, \$2.00.  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output, 2,500,000.  
 Candle power, 17 to 18.

**The St. Catharines and Welland Canal Gas Light Co., St. Catharines.***Lincoln County.*

Capital stock, \$130,000.  
 Total bonds outstanding, \$  
 President, Thomas R. Merritt.  
 Treasurer, F. J. Timmons.  
 Secretary, F. J. Timmons.  
 Purchasing Agent, F. J. Timmons.  
 Superintendent, Joseph D. Carroll.  
 Process of Manufacture, Oil Gas.  
 Population, 11,000.  
 Price of Gas in 1889, \$1.00, Stoves; \$1.50 and \$2.00, Light.  
 Number of public lamps, 114.  
 Price received for public lamps, \$22.50.  
 Approximate annual output, 13,000,000.  
 Candle power, 20.

**St. Thomas Gas Co., St. Thomas.***Elgin County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$  
 President, J. Farley.  
 Treasurer, M. A. Gilbert.  
 Secretary, M. A. Gilbert.  
 Purchasing Agent, H. Brown.  
 Superintendent, H. Brown.  
 Process of Manufacture, Coal.  
 Population, 11,000.  
 Price of Gas in 1889, \$1.75.  
 Number of public lamps, 89.  
 Price received for public lamps, \$20.00.

Approximate annual output, 12,000,000.  
 Candle power, average 17.  
 Operate Thomson-Houston and Reliance Arc Electric System, 54 Lights.

**Sarnia Consumers' Gas Co., Sarnia.***Lambton County.*

Capital stock, \$25,280.  
 Total bonds outstanding, none.  
 President, Thos. Kenny.  
 Treasurer, Jas. B. Barrie.  
 Secretary, Jas. B. Barrie.  
 Purchasing Agent, Elgin Wood.  
 Superintendent and Manager, Elgin Wood.  
 Process of Manufacture, Water Gas.  
 Population, 7,000.  
 Price of Gas in 1889, \$2.25; 1890, \$2.00.  
 Number of public lamps, 60.  
 Price received for public lamps, \$21.00.  
 Approximate annual output, 5,000,000.  
 Candle power,

**The Stratford Gas Co., Stratford.***Perth County.*

Capital stock, \$70,000.  
 Total bonds outstanding, \$  
 President, James P. Woods.  
 Treasurer, John Read.  
 Secretary, John Read.  
 Purchasing Agent, John Read.  
 Superintendent, John Read.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00 net.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 6,000,000.  
 Candle power, 17½.  
 Operate Ball Electric System, 120 Arc Lights.

**The Consumers' Gas Co. of Toronto, Toronto.***York County.*

Capital stock paid up, \$1,500,000.  
 Total bonds outstanding, none.  
 President, James Austin.  
 Secretary and General Manager, W. H. Pearson.  
 Superintendent of Works, W. H. Pearson, Jr.  
 Process of Manufacture, Coal and Lowe.  
 Population, 180,000.  
 Price of Gas in 1889, \$1.00 to \$1.12½.  
 Number of public lamps, 3,640.  
 Price received for public lamps, \$20.50.  
 Approximate annual output, 500,000,000.  
 Candle power, 18.

**The Windsor Gas Co., Windsor.***Essex County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, M. A. McHugh.  
 Treasurer, A. F. Nash.  
 Secretary, A. F. Nash.  
 Purchasing Agent, A. F. Nash.  
 Superintendent, A. F. Nash.  
 Process of Manufacture, Coal.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.00 net

The Thomson-Houston System of Incandescent Lighting is superior to all others. See advertisement, page x.

Number of public lamps, 35.  
 Price received for public lamps, \$15.00  
 Approximate annual output, 8,000,000.  
 Candle power, 17.  
 Operate Thomson-Houston Electric System, 80  
 Arc Lights.

**Woodstock Gas Light Co., Woodstock.**

*Oxford County.*

Capital stock, \$56,000.  
 Total bonds outstanding, \$  
 President, Jas. Hay, Jr.  
 Treasurer, E. W. Walbourn.  
 Secretary, S. G. McKay.  
 Purchasing Agent, Jas. Hay, Jr.  
 Superintendent, Jas. Collins.  
 Process of Manufacture, Water and Oil.  
 Population, 8,000.  
 Price of Gas in 1889, \$2.50 Light, \$1.25 Fuel.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 5,898,400.  
 Candle power,  $24\frac{10}{100}$ .

**PRINCE EDWARD'S ISLAND.**

**The Charlottetown Gas Light Co., Charlottetown.**

*Queens County.*

Capital stock, \$60,000.  
 Total bonds outstanding, \$60,000.  
 President, Hon. Daniel Davies.  
 Treasurer, Merchants' Bank of P. E. Island.  
 Secretary, Lemuel MacKay.  
 Purchasing Agent, Lemuel MacKay.  
 Superintendent, Lemuel MacKay.  
 Process of Manufacture, Coal.  
 Population, 14,000.  
 Price of Gas 1889, \$2.50; in 1890 \$2.00.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 4,000,000.  
 Candle power, 19.08.

**QUEBEC.**

**The Montreal Gas Co., Montreal.**

*Hochelaga County.*

Capital stock, \$2,000,000.  
 Total bonds outstanding, \$  
 President, Jesse Joseph.  
 Manager, J. F. Scriver.  
 Secretary, J. F. Scriver.  
 Engineer, Sidney E. Stevenson, C. E.  
 Process of Manufacture, Coal.  
 Population, 230,000.  
 Price of Gas in 1889, \$1.50 Light, \$1.00 Fuel.  
 Number of public lamps, 700.  
 Price received for public lamps, \$17.00.  
 Approximate annual output, 450,000,000.  
 Candle power, 18.

**Point Levis Gas Light Co., Point Levis.**

Capital stock,  
 Total bonds outstanding,  
 President,  
 Treasurer,  
 Secretary,  
 Purchasing Agent,

Superintendent,  
 Process of Manufacture,  
 Population,  
 Price of Gas,  
 Number of public lamps,  
 Price received for public lamps,  
 Approximate annual output,  
 Candle power,

**The Quebec Gas Co., Quebec.**

*Quebec County.*

Capital stock, \$300,000.  
 Total bonds outstanding, \$  
 President, Robert H. Smith.  
 Treasurer, John R. Young.  
 Secretary and Manager, D. H. Geggie.  
 Purchasing Agent, D. H. Geggie.  
 Process of Manufacture, Coal.  
 Population, 65,000.  
 Price of Gas in 1889, \$1.80 Light; \$1.25 Fuel.  
 Number of public lamps, none.  
 Price received for public lamps,  
 Approximate annual output, 50,000,000.  
 Candle power, 17 to 18.

**La Company pour Eclairage au Gaz de St. Hyacinthe, St. Hyacinthe.**

*St. Hyacinthe County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, E. R. Blanchard.  
 Treasurer, Louis Brousseau.  
 Secretary, Louis Brousseau.  
 Purchasing Agent, Louis Brousseau.  
 Superintendent, Louis Brouessau.  
 Process of Manufacture, Granger.  
 Population, 10,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 16.  
 Price received for public lamps, \$25.00.  
 Approximate annual output, 40.  
 Candle power, 22.  
 Operate Thomson-Houston Electric System, 23  
 Arc and 100 Incandescent Lights.

**The Sherbrooke Gas and Water Co., Sherbrooke.**

*Sherbrooke County.*

Capital stock, \$200,000.  
 Total bonds outstanding, \$50,000.  
 President, Rob't N. Hall, M. P.  
 Treasurer, E. F. Waterhouse.  
 Secretary, E. F. Waterhouse.  
 Purchasing Agent,  
 Superintendent, Andrew Sangster.  
 Process of Manufacture, Lowe.  
 Population, 9,000.  
 Price of Gas in 1889, \$2.50 Light; \$1.25 Fuel.  
 Number of public lamps, Electric Light.  
 Price received for public lamps,  
 Approximate annual output, 4,000,000.  
 Candle power, 26.  
 Operate Ball Electric System for Streets, 55 Arc  
 Lights; Thomson-Houston for commercial, 80  
 Arc Lights and—Incandescent Lights from  
 Arc Circuit. Also Thomson-Houston Alternat-  
 ing Incandescent, 500 Lights, and Edison  
 Incandescent, 300 Lights.

The *Thomson-Houston Dynamo* for Arc Lighting is automatic in action and economical in operation. See advertisement, page x.



## DOMINION OF CANADA.

**Sorel Gas Light Co., Sorel.***Richelieu County.*

Capital stock, \$365,311.  
 Total bonds outstanding, none.  
 President, O. Lesieur.  
 Treasurer, E. Trescotte.  
 Secretary, John G. Crebassa.  
 Superintendent, L. Leclercq.  
 Process of Manufacture, Coal.  
 Population, about 8,156.  
 Price of Gas in 1889, \$1.50 Light; 75c. Fuel.  
 Number of public lamps, 75.  
 Price received for public lamps, \$22.  
 Approximate annual output,  
 Candle power, 16.

**The Three Rivers Gas Co., Three Rivers.***St. Maurice County.*

Capital stock, \$20,000.  
 Total bonds outstanding, none.  
 President, George B. Houliston.  
 Treasurer, George B. Houliston.  
 Secretary, Wm. F. Adair.  
 Purchasing Agent,  
 Superintendent, Edward Dowle.  
 Process of Manufacture, Coal.  
 Population, about 10,000.  
 Price of Gas in 1889, \$2.50.  
 Number of public lamps, 54.  
 Price received for public lamps, \$22.00.  
 Approximate annual output, 2,000,000.  
 Candle power, 16 to 17.

## GAS WORKS IN CUBA.

The following is a list of the Towns and Cities on the Island of Cuba in which there are Gas Works :

Bemba.  
 Cardenas.  
 Guanajoy.  
 Guinness.  
 Havana: Spanish American Light and Power  
 Co.  
 Guana bacoa.  
 Matanzas.

Regla.  
 Penar del Rio.  
 Port au Principe.  
 Sagua La Grande.  
 St. Jago de Cuba.  
 Santa Clara.  
 Santa Espirido.  
 Trinidad de Cuba.

## MEXICO.

**Mexican Gas and Electric Light Co., City of Mexico.**

Operate Brush Electric System, 500 Lights.

## NATURAL GAS COMPANIES.

## ALABAMA.

**Guntersville.**

North Alabama Coal, Oil, Gas & Mining Co.

## ARKANSAS.

**Ft. Smith.**

Arkansas Natural Gas & Oil Co.  
 Ft. Smith Natural Gas & Power Co.

## CALIFORNIA.

**Salinas.**

Salinas Natural Gas Co.

**San Diego.**

San Diego Natural Gas & Oil Co.

**San Jose.**

San José Natural Gas & Oil Co.

**San Pablo.**

San Pablo Oil & Gas Co.

**Stockton.**

Citizens' Natural Gas Co.

## COLORADO.

**Boulder.**

Boulder Valley Oil, Gas & Mineral Prospecting  
 Co.

**Denver.**

Deesze Natural Gas, Coal & Oil Co.

**Pueblo.**

Columbia Heights Water, Gas & Oil Co.

## DAKOTA.

**Ashton.**

Ashton Gas & Fuel Co.

## GEORGIA.

**Dalton.**

Dalton Natural Gas Co.

## ILLINOIS.

**Ashley.**

Central Oil, Gas & Mining Co.

The *Thomson-Houston Incandescent Dynamo* is automatic in operation under all changes of load. See advertisement, page x.

**Cairo.**  
National Gas & Oil Co.

**Chester.**  
Egyptian Oil Co.

**Coulterville.**  
Coulterville Oil & Gas Co.

**Duquoin.**  
Ozark Gas & Petroleum Co.

**Jacksonville.**  
Jacksonville Natural Gas Co.

**Litchfield.**  
Litchfield Gas, Oil & Fuel Co.  
Litchfield Natural Gas Co.

**Marshall.**  
Marshall Gas & Oil Co.

**Sparta.**  
Sparta Natural Gas Co.

**Sterling.**  
Sterling & Rock Falls Natural Gas & Mining Co.

**Vandalia.**  
Vandalia Light & Fuel Co.

## INDIANA.

**Albany.**  
Co-operative Fuel & Gas Co.

**Alden.**  
Alden Oil & Gas Co.

**Alexandria.**  
People's Mutual Natural Gas Co.

**Amboy.**  
Citizens Gas Co.

**Anderson.**  
Anderson Natural Gas Co.  
Citizens Gas Co.  
Farmers Mutual Natural Gas Co.  
Hazlewood Natural Gas Co.  
Jakes Creek Valley Gas Co.  
Mutual Natural Gas Co.  
Madison & Hancock Gas & Oil Co.  
McIntosh Natural Gas & Oil Co.  
North Anderson Gas Co.  
Park Place Natural Gas Co.  
South Eastern Indiana Natural Gas Co.

**Arcadia.**  
Arcadia Gas Consumers' Association.

**Baker's Corner.**  
Baker's Corner Natural Gas Co.

**Bloomington.**  
Bloomington Gas Co.

**Blountsville.**  
Gates & Blountsville Natural Gas Co.

**Bluffton.**  
Bluffton Light & Fuel Co.

**Boxley.**  
Boxley Natural Gas Pipe Line Co.

**Brightwood.**  
Brightwood Natural Gas Co.

**Cadiz.**  
Cadiz & Northeastern Gas Line Co.

**Camden.**  
Portland Gas Co.

**Canal.**  
Canal Natural Gas Well Co.

**Cannellton.**  
Cannellton Mfg. & Gas Co.

**Carmel.**  
Carmel Natural Gas & Improvement Co.

**Carthage.**  
Walnut Ridge Natural Gas Co.

**Chesterfield.**  
Chesterfield Natural Gas Pipe Line Co.

**College Corner (Ohio).**  
College Corner Gas Co.

**Columbus.**  
Citizens' Natural Gas Co.

**Connersville.**  
Connersville Natural Gas Co.

**Crawfordsville.**  
Crawfordsville Natural Gas Co.  
Crawfordsville Water & Light Co.  
Montgomery Oil & Gas Co.

**Dalesville.**  
Co-operative Natural Gas Co.

**Decatur.**  
Decatur Trenton Rock Mining Co.

**Dunkirk.**  
Dunkirk Gas Co.

**Dunreith.**  
Dunreith Natural Gas & Oil Co.

**East Lynn.**  
East Lynn Gas Co.

**Ellsworth.**  
Ellsworth Natural Gas & Oil Co.

**Elwood.**  
Elwood Natural Gas Co.  
Enterprise Natural Gas Co.  
Union Gas & Oil Co.

**Evansville.**  
Cable Mining Co.  
Sonsick Natural Gas Co.

**Fairfield.**  
Fairfield Natural Gas, Oil & Pipe Line Co.

**Fairmount.**  
Citizens' Gas Co.  
Triumph Gas Co.

**Fisher's Station.**  
Fisher's Natural Gas & Improvement Co.

**Florida.**  
Florida Gas Co.

The regulation of the *Thomson-Houston Arc Dynamo* is such that the extinguishment of one or more lamps is followed by a corresponding decrease in power required at the dynamo. See advertisement, page x.

**Fortville.**

Fortville Gas &amp; Oil Co.

**Francesville.**Union Gas & Oil Co.  
Natural Gas & Fuel Co.**Frankton.**

Citizens' Gas Co.

**Ft. Wayne.**Prairie City Natural Gas Co.  
Salamonie Mining & Gas Co.  
Wayne Natural Gas Co.**Galveston.**

Galveston Natural Gas Co.

**Granville.**

Citizens' Natural Gas Co.

**Greenfield.**Greenfield Natural Gas Co.  
Peoples' Natural Gas Co.**Greensburg.**

Greensburg Natural Gas, Oil &amp; Water Co.

**Hackelman.**

Hackelman Mining Co.

**Hagerstown.**

Hagerstown Natural Gas Co.

**Hammond.**

Indiana Natural Gas &amp; Oil Co.

**Harrisburg.**

Harrisburg Gas &amp; Mining Co.

**Hartford City.**Peoples' Gas & Oil Co.  
Storm's Natural Gas Co.**Hartsville.**

Hartsville Natural Gas Co.

**Hemlock.**

Nevada Natural Gas Co.

**Henryville.**

Ky. &amp; Ind. Natural Gas Co.

**Indianapolis.**Broad Ripple Co.  
Central Gas Co.  
Consumers' Gas Trust Co.  
Indiana Economy Light & Heat Co.  
Indianapolis Natural Gas Co.  
Indianapolis Natural Gas Co.  
Kempton Natural Gas Co.  
Ripple Gas Co.  
Southern Ind. Gas Co.  
Spring Valley Gas Co.**Jasper.**

Jasper Gas, Oil &amp; Coal Co.

**Jeffersonville.**

Jeffersonville Gas &amp; Oil Co.

**Jerome.**

Natural Gas, Oil, Mining &amp; Pipe Line Co.

**Jolietville.**

Citizens' Gas Co.

**Kennard City.**

Kennard City Natural Gas Co.

**Kinzer.**

Kinzer Gas &amp; Oil Co.

**Knightstown.**

Knightstown Natural Gas Co.

**Kokomo.**Central Natural Gas Co.  
Citizens' Natural Gas Co.  
Honey Creek Natural Gas Co.  
Kokomo Natural Gas Co.  
Junction Natural Gas Co.  
Manufacturers' Natural Gas Co.**Lafayette.**Citizens' Natural Gas Co.  
Indiana Natural Gas and Fuel Co.  
Lafayette Natural Gas Trust Co.**Lake Branch.**

Lake Branch Mining Co.

**Lapel.**

Lapel Natural Gas Co.

**Leesburg.**

Leesburg Gas &amp; Oil Well Co.

**Lewisville.**

Rich Square Natural Gas Co.

**Liberty.**

Co-operative Fuel &amp; Gas Light Co.

**Logansport.**

Logansport Natural Gas Co.

**Lynn.**

Lynn Gas &amp; Oil Co.

**Madison.**

Citizens' Union Mining Co.

**Marion.**Farmers' Gas Co.  
Peoples' Gas Co.**Markele.**

Markele Oil &amp; Gas Co.

**Maxwell.**

Maxwell Natural Gas Co.

**McCordsville.**

McCordsville Natural Gas Co.

**Mechanicsburg.**

Mechanicsburg Natural Gas Co.

**Michaels.**

Michaels Natural Gas Co.

**Millhousen.**

Millhousen Natural Gas &amp; Oil Co.

**Monroe.**

Monroe Natural Gas &amp; Oil Co.

**Montpelier.**

Salmonie Mining &amp; Gas Co.

**Morristown.**

Rock Natural Gas &amp; Oil Co.

The *Thomson-Houston Incandescent Lamps* have, under repeated tests, burned two or three times their guaranteed life without any blackening of the bulb or diminution of the candle power. See advertisement, page x.



## Mount Carmel.

Mt. Carmel Natural Gas & Improvement Co.

## Mt. Pleasant.

Mt. Pleasant Natural Gas & Petroleum Co.

## Muncie.

Cecil, Lenon & Dunkirk Natural Gas Co.  
Central Co-operative Fuel & Gas Light Co.  
Central Mining Co.  
Charlestown Natural Gas Co.  
Citizens' Co-operative Gas Co.  
Citizens' Natural Gas Co.  
Co-operative Fuel & Gas Light Co.  
Delaware Natural Gas & Mining Co.  
East End Gas Co.  
Farmers' Co-operative Fuel & Gas Light Co.  
Hamilton & Delaware Fuel & Gas Light Co.  
Heat, Light & Power Co.  
Little Kill Buck Natural Gas & Oil Co.  
Muncie Natural Gas Co.  
North Muncie Farmers' Natural Gas Co.  
Pike's Peak Natural Gas Co.  
York Prairie Natural Gas Co.

## New Albany.

Huntingburg Mining, Gas & Water Works Co.  
New Albany Natural Gas Co.  
New Albany Natural Gas, Oil & Mineral Co.

## New Burlington.

New Burlington Natural Gas Co.

## New Castle.

Enterprise Natural Gas Co.

## New Cumberland.

New Cumberland Mining & Gas Co.

## New Haven.

New Haven Natural Gas & Oil Co.

## New Hope.

New Hope Natural Gas Pipe Line Co.

## Newberg.

Newberg Oil & Gas Co.

## Newport.

Peach Mountain Mining Co.

## Noblesville.

Mud Creek Natural Gas & Oil Co.  
Stony Creek Natural Gas Co.

## North Grove.

North Grove Gas & Pipe Line Co.

## Oak Ridge.

Deer Creek Mining Co.

## Ovid.

Ovid Natural Gas Co.

## Painters Plains.

Painters Plains Natural Gas & Oil Co.

## Paris.

Paris Natural Gas Co.

## Parker.

Parker Natural Gas Co.

## Pendleton.

Pendleton Natural Gas Co.

## Perkinsville.

Perkinsville Natural Gas Co.

## Peru.

Citizens' Gas & Pipe Line Co.  
Peru Natural Gas & Pipe Line Co.

## Pleona.

Pleona Natural Gas Co.

## Plymouth.

Plymouth Natural Gas & Oil Co.

## Portland.

Citizens' Gas & Oil Mining Co.  
Indiana & Ohio Oil, Gas & Mining Co.  
Portland Gas Co.

## Red Key.

Home Natural Gas Co.  
Red Key Natural Gas Co.

## Reeds Station.

Reeds Station Natural Gas Co.

## Richland.

Richland Oil & Gas Co.

## Richmond.

Chesterfield Natural Gas Co.  
Knightstown Natural Gas Co.  
Richmond Natural Gas Co.

## Rockport.

Rockport Gas & Mineral Co.

## Rome.

Bear Creek Gas & Mining Co.

## Rose Lawn.

Indiana Oil, Gas & Coal Co.

## Salem.

Prairie Creek Natural Gas Co.

## Salimonie.

Salimonie Mining & Gas Co.

## Shelbyville.

Indiana Water & Light Co.  
Shelbyville Natural Gas Co.

## Somerset.

Somerset Gas Co.

## Spencer.

Spencer Natural Gas Co.

## Spiceland.

Citizens' Natural Gas, Mineral & Oil Co.

## Spicewood.

Spicewood Natural Gas & Oil Co.

## Staunton.

Staunton Petroleum Oil & Gas Co.

## Sullivan.

Pioneer Oil, Gas & Mineral Co.

## Summitville.

Citizens' Gas Co.

## Swayzee.

Citizens' Gas Co.

The same characteristics of excellence are maintained in all the details as shown in the *Thomson-Houston Dynamo*. See advertisement, page x.

**Sycamore.**

Sycamore Mining, Petroleum &amp; Natural Gas Co.

**Terre Haute.**

Acme Oil & Gas Co.  
 Actua Oil & Gas Co.  
 Boon Natural Gas & Petroleum Co.  
 Bruce Oil & Gas Co.  
 Button Oil & Gas Co.  
 Centennial Oil & Gas Co.  
 Citizens' Consolidated Oil & Gas Co.  
 Citizens' Oil & Natural Gas Co.  
 Commercial Travelers' Oil & Gas Co.  
 Consolidated Oil & Gas Co.  
 Ellsworth Oil & Gas Co.  
 Farmers' & Merch. Oil & Gas Co.  
 Guarantee Oil & Gas Co.  
 Home Natural Gas & Oil Co.  
 Idaho Gas & Oil Co.  
 Indiana Oil & Fuel Co.  
 Indiana Oil & Gas Co.  
 Kinser Oil & Gas Co.  
 Lost Creek Mfg. & Mining Co.  
 Markle Oil & Gas Co.  
 Merchants' Natural Gas & Oil Co.  
 Oil Creek Gas, Mineral & Mining Co.  
 Peoples' Oil & Gas Co.  
 Phoenix Oil & Gas Co.  
 Raccoon Valley Oil & Gas Co.  
 Rose Oil & Gas Co.  
 Star Oil, Gas & Mining Co.  
 Staunton Petroleum Oil & Gas Co.  
 Terre Haute Gas & Oil Co.  
 Terre Haute Natural Gas Co.  
 Wabash Valley Natural Gas Co.

**Tipton.**

Citizens' Natural Gas Co.

**Union City.**

Union City Natural Gas Co.

**Vincennes.**

Cable Mining Co.  
 Natural Gas, Oil & Mining Co.  
 Vincennes Gas & Oil Co.

**Wabash.**

Citizens' Gas Co.  
 Wabash Natural Gas Co.

**Washington.**

Washington Gas Co.

**Wilkinson.**

Wilkinson Natural Gas Co.

**Winchester.**

Rock Oil Co.  
 Winchester Natural Gas Co.

**Windfall.**

Citizens' Natural Gas Co.

**Windsor.**

Second Natural Gas Co.  
 Windsor Natural Gas Co.

**Yorktown.**

Co-operative Fuel &amp; Gas Light Co.

## IOWA.

**Dawson.**

Dawson Natural Gas Co.

**Herndon.**

Herndon Natural Gas &amp; Land Co.

## KANSAS.

**Cherryvale.**

Vulcan Coal &amp; Mining Co.

**Genesee.**

Genesee Nat. Gas, Coal, Oil, Salt &amp; Mining Co.

**Helena.**

Helena Gas, Water &amp; Power Co.

**McPherson.**

McPherson Fuel, Water &amp; Mineral Co.

**Meade Centre.**

Meade Centre Natural Gas Co.

**Paola.**

Paola Gas & Land Co.  
 Paola Natural Gas Co.

**Wellington.**

Wellington Mining Co.

## KENTUCKY.

**Bardstown.**

Salt River Natural Gas, Oil &amp; Mineral Co.

**Bowling Green.**

Bowling Green Petroleum &amp; Fuel Co.

**Brandenburg.**

Bee Knob Gas & Mining Co.  
 Ben. Harrison Natural Gas Co.  
 Big Bend Natural Gas Co.  
 Brandenburg Mfg. Co.  
 Citizens' Natural Gas Co.  
 Climax Natural Gas Co.  
 Coleman Natural Gas Co.  
 Crown Natural Gas Co.  
 Eclipse Gas & Mining Co.  
 Excelsior Gas & Mining Co.  
 Headlight Gas Co.  
 Hendricks Nat. Gas, Petroleum & Mining Co.  
 Hill Grove Gas & Oil Co.  
 Hub Natural Gas Co.  
 Imperial Gas Co.  
 Keystone Natural Gas Co.  
 Meade Co. Natural Gas Co.  
 New Amsterdam Gas & Mfg. Co.  
 Prudential Natural Gas Co.  
 Royal Natural Gas Co.  
 Second Natural Gas & Oil Co.  
 Signal Gas Co.  
 Signet Gas & Oil Co.  
 The Brandenburg Nat. Gas, Light & Fuel Co.

**Cloverport.**

Cloverport Mineral Co.

**Covington.**

Bee Hive Coal, Lumber & Gas Co.  
 Western Gas & Fuel Co.

The problem of long distance incandescent lighting is successfully solved by the *Thomson-Houston Transformer System*. See advertisement, page x.

## Franklin.

Franklin Development Co.  
Simpson Co. Natural Gas Co.

## Hardinsburgh.

Buck Home Natural Gas Co.  
Breckenridge Natural Gas & Mineral Co.  
Hardinsburgh Natural Gas & Mineral Co.  
Ky. Southern Gas & Oil Co.

## Harrodsburgh.

Breckenridge Co. Natural Gas & Mineral Co.

## Henderson.

Henderson Co. Natural Gas, Mining & Mfg. Co.

## Leitchfield.

Leitchfield Natural Gas Co.

## Louisville.

Black-Shale Natural Gas Co.  
Doe Run Mills Natural Gas Co.  
Ky. and Ind. Natural Gas, Oil & Mining Co.  
Ky. Rock Gas Co.  
Ky. Southern Gas & Oil Co.  
Sinking Creek Oil & Gas Co.  
Trenton Rock Natural Gas & Mining Co.

## Muldraugh.

Commercial Natural Gas Co.

## Newport.

E. W. Ober Natural Gas Co.

## Owensboro.

Big 4 Mineral and Natural Gas Co.  
Daviss Natural Gas and Developing Co.  
Green River Natural Gas, Oil and Mineral Co.  
Hawesville-Owensboro Gas and Mineral Co.  
Ohio Valley Natural Gas Co.  
Owensboro Natural Gas Co.  
Pioneer Mineral Gas Co.

## Princeton.

Princeton Gas & Mining Co.

## Somerset.

Oil Co.

## MARYLAND.

## Cumberland.

Cumberland Oil and Natural Gas Co.

## MICHIGAN.

## Detroit.

Calumet Oil Co.  
Michigan Natural Gas Co.

## Hillsdale.

Penninsula State Gas & Oil Co.

## Monroe.

Monroe Oil and Gas Co.

## Port Huron.

St. Clair Light & Fuel Co.

## MINNESOTA.

## Albert Lea.

Minn. Natural Gas, Oil & Fuel Co.

## St. Paul.

Minn. Natural Gas, Oil & Fuel Co.

## MISSOURI.

## Birmingham.

The Birmingham Coal, Gas & Mfg. Co.

## Kansas City.

Etna Natural Gas Co.  
Natural Gas and Fuel Co.

## NEW JERSEY.

## Camden.

The Natural Gas Development Co.

## NEW YORK.

## Bolivar.

Empire Gas and Fuel Co., Limited.

## Booneville.

Petroleum, Gas & Mining Co.

## Buffalo.

Buffalo Natural Gas Fuel Co.

## Ceres.

Ceres Gas Co.

## Cuba.

Cuba Gas Co.

## Fredonia.

Fredonia Natural Gas Light Co.

## Friendship.

Allegheny Gas Co., Limited.

## Greenwood.

Greenwood Oil and Gas Co.

## Honeoye Falls.

Ontario Improvement and Gas Co., Limited.

## Olean.

Keystone Gas Co.

## Rochester.

Rochester National Gas Co.

## Sandy Creek.

Sandy Creek Oil and Gas Co.

## Towanda.

Standard Gas Co.

## Vernon.

Vernon Natural Gas Co.

## Zoar.

Ohio Valley Oil & Gas Co.

## OHIO.

## Ada.

Ada Natural Gas & Oil Co.

## Arcadia.

Arcadia Natural Gas Works.

## Bellaire.

Wheeling Natural Gas Co.

## Bowling Green.

Bowling Green Natural Gas Co.  
Hazelwood Oil Co.

The *Thomson-Houston Arc Lamps* burn with absolute quietness and freedom from hissing and are perfectly self adjusting. See advertisement, page x.



**Bryan.**

Fountain City Gas &amp; Oil Co.

**Bucyrus.**Carey Natural Gas Co.  
Bucyrus Natural Gas & Oil Co.**Cadiz.**Berea Grit Oil & Gas Co.  
Harrison Natural Gas Co.**Caledonia.**

La Rue Gas Co.

**Cambridge.**Cambridge Light & Fuel Co.  
Southeastern Natural Gas Co.**Carey.**

Carey Natural Gas Co.

**Chillicothe.**

Chillicothe Oil &amp; Natural Gas Co.

**Cincinnati.**

Queen City Natural Gas &amp; Fuel Co.

**Clinton.**

The Clinton Natural Gas &amp; Fuel Co.

**College Corner.**

College Corner Gas Co.

**Columbus.**Central Ohio Natural Gas & Fuel Co.  
Franklin Natural Gas & Oil Co.**Conneaut.**

Conneaut Gas Light &amp; Fuel Co.

**Dayton.**Dayton Natural Gas Co.  
Mercer Gas & Fuel Co.  
Miami Valley Natural Gas Co.  
Southwestern Ohio Nat. Gas & Petroleum Co.**Delaware.**

North Baltimore Oil &amp; Fuel Co.

**Findlay.**City Gas Works.  
Lehigh Valley Oil & Gas Co.  
Syndicate Oil & Fuel Co.**Fostoria.**Fostoria Oil & Gas Co.  
Northwestern Ohio Natural Gas Co.**Franklin.**

Franklin Natural Gas Co.

**Fremont.**

Sandusky Co. Gas &amp; Oil Co.

**Irondale.**

Irondale Gas &amp; Oil Co.

**Kenton.**

Scioto Natural Gas &amp; Oil Co.

**Lancaster.**

Lancaster Natural Gas &amp; Oil Co.

**Lima.**Coronet Oil & Gas Co.  
Geyser Oil Co.

Lima Natural Gas Co.

National Gas Oil Co.

North Mercer Natural Gas Co.

Shawnee Oil Co.

Silurian Natural Gas &amp; Oil Co.

**Lindsay.**

Lindsay Natural Gas Co.

**Lithopolis.**

Lithopolis Gas, Oil &amp; Fuel Co.

**Melrose.**

Nickle Plate Oil &amp; Gas Co.

**Mercer.**

Mercer Gas &amp; Fuel Co.

**Miamisburg.**Miamisburg Light & Fuel Co.  
Miamisburg Natural Gas Co.**Middletown.**

Middletown Natural Fuel Gas Co.

**Mt. Vernon.**

Natural Gas Trustees.

**New Lisbon.**

New Lisbon Gas Light Co.

**New Stark.**

New Stark Gas &amp; Oil Co.

**Newark.**

Newark Natural Gas &amp; Fuel Co.

**Nevada.**

Carey Natural Gas Co.

**Noblesville.**

Noblesville Gas &amp; Improvement Co.

**Norwalk.**

Northwestern Natural Gas Co.

**Perrysburg.**

Northwestern Natural Gas Co.

**Roseville.**

Roseville Gas, Oil &amp; Mineral Co.

**Sandusky.**Sandusky Co. Oil & Gas Co.  
Upper Sandusky Natural Gas, Oil, Light & Fuel Co.**Springfield.**Mercer Co. Natural Gas Co.  
Springfield Natural Gas Co.**St. Clairsville.**

Wheeling Natural Gas Co.

**Steubenville.**

Royal Natural Gas Co.

**Sugar Ridge.**

Sugar Ridge Natural Gas &amp; Oil Co.

**Sycamore.**

Sycamore Natural Gas &amp; Oil Co.

**Tiffin.**

Wolf Creek Gas &amp; Oil Co.

The *Thomson-Houston Arc Lamps* burn with absolute quietness and freedom from hissing and are perfectly self adjusting. See advertisement, page x.

## Toledo.

Citizens' Natural Gas Trust.  
Natural Gas Trust.  
Northwestern Natural Gas Co.  
Oak Harbor Natural Gas Co.  
Pluto Oil Co.  
Toledo Natural Gas Co.  
Vincent Oil Co.

## Tontogany.

The Tontogany Gas Co.

## Upper Sandusky.

Rocky Run Natural Gas & Oil Co.

## Van Wert.

Van Wert Natural Gas & Oil Co.

## Waterville.

Waterville Gas & Oil Co.

## Wayne.

Wayne Natural Gas Co.

## Williamstown.

Williamstown Gas Co.

## Wellington.

Wellington Gas Co.

## Wellsville.

Valley Gas Co.

## Weston.

Weston Gas & Oil Co.

## Wineland.

Union Fuel Co.

## Youngstown.

Home Gas Fuel Co.

## Zanesville.

Zanesville Natural Gas Co.

## PENNSYLVANIA.

### Allegheny City.

Allegheny Heating Co.  
American Natural Gas Co.  
Heat & Power Co. of Allegheny City.  
Independence Natural Gas Co.  
Union Gas Light Co.

### Altoona.

Altoona Natural Gas Co.  
Leet Light & Heat Co.

### Apollo.

Apollo Armstrong Heating & Gas Illuminating Co.  
Apollo Gas Co.  
Apollo Heating & Illuminating Gas Co.  
Apollo Light & Heat Co.

### Armstrong.

The Valley Natural Gas Co.

### Athens.

Susquehanna Gas & Heat Co.

### Baden.

Baden Gas Co.

## Beaver.

Beaver Falls Gas Co.  
Borough Township Gas Co.  
Brighton Township Gas Co.  
Chippewa Gas Co.  
Citizens' Natural Gas Co.  
Fallston Gas Co.  
Freedom Gas Co.  
Heat and Light Co.  
Industry Township Gas Co.  
Moon Township Gas Co.  
New Brighton Gas Co.  
New Sewickley Township Gas Co.  
Ohio Township Gas Co.  
Patterson Township Gas Co.  
Phillipsburg Gas Co.  
Robinson Township Gas Co.

## Beaver Falls,

Citizens' Natural Gas Co.

## Belle Vernon.

Belle Vernon Natural Gas Co.

## Braddock.

Braddock Fuel Co.

## Bradford.

Bradford Gas Light & Heating Co.  
Citizens' Light & Heat Co.  
People's Natural Gas & Pipeage Co.  
Manufacturers' Gas Co.

## Brandenburg.

Doe Run Natural Gas & Mfg. Co.

## Bridgewater.

Bridgewater Gas Co.

## Brookville.

Brookville Natural Gas & Heating Co.

## Brownsville.

Burgettstown Light & Heat Co.  
Corry Gas & Fuel Co.  
Home Natural Gas Co. of Brownsville.

## Brownsville.

Home Natural Gas Co.

## Burgettstown.

Burgettstown Oil & Gas Co.

## Butler.

Mutual Gas Fuel Co.  
People's Gas Light Co. of Butler.

## Cambria.

Cambria Natural Gas Co.

## Cannonsburg.

Cannonsburg Light & Fuel Co.  
Cannonsburg Natural Gas Co.  
Union Gas Co.

## Chartiers.

Chartiers Gas Light Co.  
Consumers' Heating Co.

## Claysville.

Claysville Heat & Light Co.

## Clarion.

Clarion Light & Heat Co.

There are more than 500 local companies using the *Thomson-Houston System* of lighting, and more than 60,000 Are Lamps are in daily operation. See advertisement, page x.

**Coal Centre.**

Pike Run Natural Gas Co.

**Columbia.**

Columbia Gas Light &amp; Fuel Co.

**Connellsville.**Connellsville Light & Heat Co.  
Fayette Gas & Fuel Co.  
Monongahela City Gas & Fuel Co.**Corry.**Corry Natural Gas Co.  
Northwestern Natural Gas Co.**Crofton.**

Crofton Gas Light Co.

**Dawson.**

Virgin Run Gas Co.

**Derry.**

Derry Light &amp; Fuel Co.

**Duke Centre.**Duke Centre Gas Co.  
Kansas Gas Co.**East Brady.**

East Brady Light &amp; Heat Co.

**Eldred.**

Eldred Gas Co.

**Elizabeth.**

The Bessemer Natural Gas Co.

**Emlenton.**Emlenton Gas & Fuel Co.  
Madison Gas Light & Heating Co.  
North Buffalo Gas Light & Heating Co.  
Perry Gas Light & Heating Co.  
South Buffalo Gas Light & Heating Co.**Erie.**Erie Mining & Natural Gas Co.  
Presque Isle Gas Co.  
Welsbach Gas Light Co.**Etna.**

Etna Natural Gas Co.

**Fayette.**

Fayette Fuel Gas Co.

**Fayette City.**

Fayette City Natural Gas Co.

**Fitzwatertown.**

Rosenzie Natural Gas Co.

**Forburg.**

Union Light &amp; Heat Co.

**Franklin.**Franklin Natural Gas Co.  
French Creek Gas Co.  
Sandy Creek Gas Co.  
Sugar Creek Gas Co.  
Union Light & Heat Co.  
Venango Gas Co.**Fryburg.**

Washington Gas Co.

**Ft. Pitt.**Ft. Pitt Gas Co.  
United Oil & Gas Trust.**Glenfield.**

Baden Gas Co.

**Grapeville.**

Youghiogheny Gas Co.

**Greensburg.**Bell Township Heat & Light Co.  
East Huntingdon Light & Heat Co.  
Fairfield Light & Heat Co.  
Greensburg Natural Gas Co.  
Greensburg Heat Co.  
Greenville Natural Gas Co.  
Hempfield Light & Heat Co.  
Latrobe Light & Heat Co.  
Loyalhanna Light & Heat Co.  
Ludwick Light & Heat Co.  
Manor Gas Co.  
Manor Light & Heat Co.  
Mt. Pleasant Township Natural Gas Co.  
Murraysville Gas Co.  
Murraysville Light Co.  
North Huntingdon Gas Co.  
North Huntingdon Light & Heat Co.  
Rostraver Light & Heat Co.  
Scottdale Heat Co.  
Sewickley Light & Heat Co.  
St. Clair Light & Heat Co.  
South Huntingdon Light & Heat Co.  
Township Lights & Heat Co.  
West Newton Heat Co.**Harrisburg.**Harrisburg Natural Gas Co.  
The Bessemer Natural Gas Co.**Hillsdale.**

Allegheny Light &amp; Fuel Co.

**Holidaysburg.**

Light &amp; Heat Co.

**Homestead.**

Homestead Gas Light Co.

**Indiana.**

Indiana Heating Co.

**Irwin.**Irwin Gas Co.  
Mutual Gas Co.**Jennette.**

Jennette Gas Co.

**Johnstown.**Cresson Natural Gas Co.  
Connemaugh Natural Gas Co.**Kindall.**Tarport & Kendall Gas Light & Heat Co.  
Union Gas Co.**Kane.**

Kane Gas Light &amp; Heating Co.

**Kinzna.**

Kinzna Gas Co.

The *Thomson-Houston System of Electric Lighting* has been more generally adopted by Gas Companies than any other. See advertisement, page x.



## Kittanning.

Bethel Township Light & Heat Co.  
Boggs Township Light & Heat Co.  
Consolidated Natural Gas Co.  
Consumers' Natural Gas Co.  
East Franklin Township Light & Heat Co.  
Gilpin Township Light & Heat Co.  
Kittanning Heat & Light Co.  
Kittanning Township Heat & Light Co.  
Manor Township Heat & Light Co.  
Manorville Heat & Light Co.  
Valley Township Fuel & Heat Co.  
West Franklin Township Fuel & Heating Co.  
Worthington Fuel and Heat Co.

## Leeper.

Taylorsburg.

## Mansfield.

Mansfield Gas Light Co.  
Chartiers Gas Co.

## Masontown.

Masontown Gas & Oil Co.

## McDonald.

Oakdale Natural Gas Co.

## McKeesport.

Citizens' Fuel Co.  
The Fuel Gas Co.  
Versailles Gas Co.

## Meade.

Rural Light & Heat Co.

## Meadville.

Meadville Fuel Gas Co.  
Meadville Fuel Supply Co.

## Nerco.

Mercer Gas Light & Fuel Co.  
Mercer Heat, Light & Power Co.

## Middlesex.

Columbia Gas Light & Fuel Co.

## Middletown.

Middletown Natural Gas Co.

## Monongahela City.

Bellwood & Monongahela City Natural Gas Co.

## Monroe.

Monroeton Gas & Heat Co.

## Morgantown.

Morgantown Improvement Co.

## Mount Carmel.

Mt. Carmel Gas Light Co.

## Mount Pleasant.

Southwest Natural Gas Co.

## Murrysville.

Pine Run Gas Co.

## Natrona.

East Deer Natural Gas Co.  
Fawn Natural Gas Co.  
Harison Natural Gas Co.  
West Deer Natural Gas Co.

## New Bethlehem.

New Bethlehem Light & Heat Co.

## New Brighton.

Citizens' Natural Gas Co.

## Newcastle.

Mahoning Natural Gas Co.  
Shenango Gas Co.  
Shenango Natural Gas Co.

## Oil City.

Cornplanter Gas Co.  
Cranberry Gas Co.  
Lawrence Natural Gas Co.  
Manufacturers' Gas Co.  
Northwestern Pennsylvania Natural Gas Co.  
Oil City Fuel Supply Co.  
Petroleum Gas Co.  
United Natural Gas Co.  
Venango Natural Gas Co.

## Northeast.

Northeast Heat & Light Co.

## Parker City.

Keystone Natural Gas Co.

## Parker's Landing.

Pew Heat & Light Co.

## Parnassus.

Fairfield Gas Co.

## Philadelphia.

Quaker City Fuel Gas Co.  
The Holland Petroleum Co.  
Toraya Patent Gas Co.

## Phillipsburg.

Phillipsburg Gas Co.

## Pittsburgh.

Acme Fuel Co.  
Acme Gas Co.  
Acme Heating Co.  
Allegheny County Gas and Fluid Transportation Co.  
Allegheny Light, Heat & Power Co.  
Allegheny Natural Gas Co.  
Baldwin Township Gas Co.  
Bellevue Natural Gas Co.  
Carnegie Natural Gas Co., Pittsburgh.  
Carpenter Natural Gas Co.  
Carroll Gas Co.  
Cecil Gas Co.  
Chartiers Light & Heat Co.  
Chartiers Township Natural Gas Co.  
Chartiers Valley Gas Co.  
Chicopee Natural Gas Co.  
Collier Township Natural Gas Co.  
Consumers' Heating Co.  
East Franklin Township Heat & Light Co.  
Elizabeth Gas Co.  
Equitable Natural Gas Co.  
Forward Light & Heat Co.  
Ft. Pitt Natural Gas Co.  
Gas & Fluid Transportation Co.  
Grapeville Natural Gas Co.  
Hannar Light & Heat Co.  
Jarboe Natural Gas Co.  
Jefferson Gas Co.  
Johnstown Natural Gas Co.  
Kilbuck Natural Gas Co.  
Leet Light & Heat Co.  
Lincoln Gas Co.

More than 200 Gas Companies are using the *Thomson-Houston System* and operating more than 13,000 Arc Lamps. See advertisement, page x.

Lowe Pressure Gas Co.  
 Lower St. Clair Township Gas Co.  
 Manufacturers' Gas & Fuel Co.  
 Manufacturers' Natural Gas Co.  
 Melvale Light & Heat Co.  
 Moon Township Natural Gas Co.  
 Monongahela Natural Gas Co.  
 National Natural Gas Co.  
 North Side Gas Co.  
 O'Hara Light & Heat Co.  
 Ohio Valley Heat Co.  
 Pennsylvania Natural Gas Co.  
 People's Natural Gas Co.  
 People's Natural Gas & Pipeage Co.  
 Petroleum Gas Co.  
 Petroleum Natural Gas Fuel Co.  
 Philadelphia Co.  
 Pine Creek Natural Gas Co.  
 Pine Run Gas Co.  
 Pittsburgh Light & Heat Co.  
 Pittsburgh Natural Gas Co.  
 Pleasant Gas & Heat Co.  
 Reserve Light & Heat Co.  
 Robinson Township Gas Co.  
 Scott Township Natural Gas Co.  
 Sharpsburg Natural Gas Co.  
 Snowden Gas Co.  
 South Fayette Township Natural Gas Co.  
 South Light & Heat Co.  
 South West Natural Gas Co.  
 Springdale Light & Heat Co.  
 Standard Gas Light Co.  
 Sterrett Light, Heat & Power Co.  
 Suburban Gas Co.  
 Torrens Gas Co.  
 Union Light & Heat Co.  
 Union Township Natural Gas Co.  
 United Gas Fuel Co.  
 Upper St. Clair Township Natural Gas Co.  
 Verona Natural Gas Co.  
 Washington Natural Gas Co.  
 West Elizabeth Natural Gas Co.  
 Western Pennsylvania Gas Co.  
 Westmoreland & Cambria Natural Gas Co.  
 Wilkin Light, Heat & Power Co.  
 Wilkesburg Gas & Oil Co.

**Port Alleghany.**  
 Citizens' Gas Co.

**Punxsutawney.**  
 Punxsutawney Gas Co.

**Reno.**  
 Mutual Gas Co.

**Renovo.**  
 Renovo Gas & Oil Co.

**Ridgeway.**  
 New Era Gas Light Co.  
 Ridgeway Gas Co.  
 Ridgeway Light & Heat Co.

**Rimersburg.**  
 Rimersburg Natural Gas Co.

**Rochester.**  
 Rochester Heat & Light Co.  
 Rochester Natural Gas Co.

**Saltsbury.**  
 The Saltsbury Gas Co.

**Scottdale.**  
 Scottdale Natural Gas Co.  
 Westmoreland & Fayette Gas Co.

**Scranton.**  
 Scranton Illuminating Heat & Power Co.

**Sewickley.**  
 Sewickley Light & Heat Co.

**Sharon.**  
 Sharon Fuel Gas Co.  
 Sharon Heat, Light & Power Co.

**Sharpsburg.**  
 Citizens' Natural Gas Co.

**Sharpsville.**  
 Sharpsville Gas and Fuel Co.

**Sheffield.**  
 Forest Gas Co.  
 Sheffield Natural Gas Co.

**Shingle House.**  
 Sharon Gas Co.

**Shirland.**  
 Oakdale Gas Co.

**Somerset.**  
 Somerset Oil & Gas Co.

**Stewardson's Furnace.**  
 Laughlin Light & Heating Co.

**St. Mary's.**  
 St. Mary's Gas Co.

**Tamaqua.**  
 Citizens' Gas Light Co.

**Tarentum.**  
 Harrison Gas Co.  
 Tarentum Gas Co.

**Taylorstown.**  
 Taylorstown Natural Gas Co.

**Tidionte.**  
 Tidionte Light & Heat Co.

**Tionesta.**  
 Tionesta Gas Co.

**Turtle Creek.**  
 Turtle Creek Gas & Oil Co.

**Uniontown.**  
 Fayette Gas & Fuel Co.  
 Gallatin Gas & Fuel Co.  
 Home Natural Gas Co.  
 Union Gas & Fuel Co.  
 Uniontown Fuel Gas Co.  
 Yorks Run Natural Gas Co.  
 Youghiogheny Fuel Supply Co.

**Village of Lock No. 4.**  
 Lock No. 4 Natural Gas Co.

**Wapakoneta.**  
 Wapakoneta Gas Co.

It has been clearly proved that Gas Companies which have adopted the *Thomson-Houston System* are alive to their own interests. See advertisement, page x.

## Warren.

Consumers' Gas Co.  
Elk Gas Works.  
Glade Gas & Heat Co.  
North Warren Gas Light & Heating Co.  
Penn Gas Co.  
People's Gas Co.  
Pine Grove Gas Co.  
Warren Light & Heat Co.

## Washington.

Buffalo Township Natural Gas Co.  
Canton Township Natural Gas Co.  
Cecil Township Natural Gas Co.  
Citizens' Light & Heat Co.  
Citizens' Natural Gas Co.  
Citizens' Oil & Gas Co.  
Cross Creek Township Natural Gas Co.  
Donegal Township Natural Gas Co.  
Franklin Township Natural Gas Co.  
Hopewell Township Natural Gas Co.  
Manufacturers' Gas Co.  
Mt. Pleasant Township Natural Gas Co.  
People's Light & Heat Co.  
Robinson Township Natural Gas Co.  
Smith Township Natural Gas Co.  
Southern Natural Gas Co.  
Washington Fuel & Gas Co.

## Waynesburg.

Waynesburg Heat & Light Co.

## Wellsburg.

City Gas Co.

## West Newton.

West Newton Gas & Oil Co.  
Youghiogeny Gas Co.

## York.

Conewago Gas & Oil Co.

## TENNESSEE.

## Chattanooga.

Chattanooga Natural Gas & Oil Co.

## Dayton.

Rhea Oil & Gas Co.

## Madisonville.

Bonham Oil & Gas Co.

## McMinnville.

McMinnville Natural Gas & Oil Co.

## Memphis.

Tenn. Natural Gas Co.

## TEXAS.

## Waco.

Texas Oil & Gas Co.

## UTAH.

## Salt Lake City.

Utah Natural Gas Co.

## WEST VIRGINIA.

## Clarksburg.

Harrison Co. Oil & Gas Co.

## Holliday's Cove.

Holliday's Cove Oil & Gas Co.

## Morgantown.

Union Improvement Co.

## Parkersburg.

Parkersburg Gas Light Co.

## Wellsburg.

Wellsburg Gas Co.

## Wheeling.

Fleming Oil & Gas Co.  
Kahanawha Oil Co.  
West Va. Gas Co.  
Wheeling Development Co.  
Wheeling Natural Gas Co.

## CANADA.

## Amherstberg, Ontario.

Great South Western Oil & Gas Co.

## Blenheim, Ontario.

Blenheim Natural Gas Co.

## Essex, Ontario.

Central Oil & Gas Co.

## Lindsay, Ontario.

Lindsay Natural Gas Co.

## Niagara Falls, Ontario.

Niagara Falls Natural Gas & Fuel Co.

## St. Catharines, Ontario.

St. Catharines, Natural Gas Co.

## Stratford, Ontario.

Stratford Natural Gas Co.

## Toronto, Ontario.

Provincial Natural Gas & Fuel Co.

## PARENT OR OPERATING COMPANIES.

### CALIFORNIA.

#### Pacific Loomis Gas Association, San Francisco.

Capital stock, \$500,000.  
Total bonds outstanding,  
President, Jos. G. Eastland.  
Treasurer,  
Secretary, A. T. Eastland.  
Purchasing Agent,  
Superintendent,  
Process of Manufacture, Loomis (not yet begun).

### CONNECTICUT.

#### The Eastern Gas Machinery Co., Hartford.

President, Burdett Loomis.  
Treasurer, Hawley Pettibone.  
Secretary, Hawley Pettibone.  
Engineer, Gilbert W. Morrison.  
Builders under Loomis' system.

No Company that has adopted the *Thomson-Houston System* has ever replaced it by any other. See advertisement, page x.



**GEORGIA.****Southern Light and Fuel Gas Co., Atlanta.***Fulton County.*

Capital stock, \$100,000.  
 Total bonds outstanding, none.  
 President, W. B. Miles.  
 Treasurer and Secretary, John L. Beatie.  
 Vice-President and Manager, Jno. R. Wilkinson.  
 Purchasing Agent, Jno. R. Wilkinson.  
 Superintendent, Jno. R. Wilkinson.  
 A Licensing Company under the Bidelman process for Georgia, Alabama and Tennessee.

**ILLINOIS.****The National Gas Light and Fuel Co., Chicago.***Cook County.*

Capital stock, \$10,000,000, authorized \$546,200 issued.  
 Total bonds outstanding, \$  
 President, Chas. D. Hauk.  
 Treasurer, N. A. McClary.  
 Secretary, N. A. McClary.  
 Engineer, E. E. Morrell.  
 A Construction, Operating and Licensing Company under the Springer Cupola system.

**INDIANA.****The Western Gas Construction Co., Fort Wayne.**

Capital stock, \$  
 Total bonds outstanding, \$  
 Manager, O. N. Guldin.  
 Treasurer, W. A. Croxton.  
 Secretary, W. A. Croxton.  
 Engineer, J. S. Unger.  
 Purchasing Agent,  
 A Construction Company, operating under various systems.

**KENTUCKY.****The International Gas Co., Principal Office, 19 William St., New York.**

Capital stock, \$500,000.  
 Total bonds outstanding, none.  
 President, C. G. Francklyn.  
 Treasurer, W. F. Van Pelt.  
 Secretary, W. F. Van Pelt.  
 Purchasing Agent,  
 Superintendent,  
 An Operating and Licensing Company under the Meeze system.

**MAINE.****United Gas Co. of Maine, Portland, Me.**

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$  
 President, Geo. P. Wescott.  
 Treasurer, Geo. F. West.  
 Secretary, Geo. F. West.  
 Purchasing Agent, Chas. E. Morgan, Drexel Building, Philadelphia (for Maine Territory).

**MASSACHUSETTS.****Orient Gas and Water Co., Boston.**

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$  
 President, Wm. E. Merrill.  
 Treasurer, Hiram Blaisdell.  
 Secretary,  
 Purchasing Agent,

Superintendent Construction, Wm. B. Frank.  
 A Construction and Operating Company under the Shaw Petroleum process.

**MICHIGAN.****The Archer Gas and Fuel Co. of Michigan, Detroit.**

Capital stock, \$1,000,000.  
 Total bonds outstanding, \$  
 President, Alex. DeLano.  
 Treasurer, Chas. P. Choate.  
 Secretary, James Inglis.  
 Purchasing Agent,  
 Superintendent,  
 A State Company operating under licenses for Archer process.

**MISSOURI.****The Southwestern Light Improvement Co., St. Louis.**

Capital stock, \$75,000.  
 President, Henry C. Scott.  
 Not in active operation as yet.

**NEW JERSEY.****Philadelphia Gas Improvement Co., Camden.**

Capital stock, \$1,000,000.  
 Bonds, none.  
 President, Wm. L. Elkins, Jr.  
 Treasurer, Geo. D. Widener.  
 Secretary, R. F. Bawer.  
 Chief Engineer or Superintendent, W. H. Gartley.  
 This Company operates under the Hanlon-Leadley process and its principal project is at present the supply of Illuminating Gas to the city of Philadelphia.

**NEW YORK.****Empire State Gas Improvement Co., 115 Broadway, New York.**

Capital stock, \$  
 Total bonds outstanding, \$  
 President, James E. Hedges.  
 Treasurer, W. H. DeHart.  
 Secretary, W. H. DeHart.  
 Purchasing Agent,  
 Chief Engineer, Geo. W. Harris.  
 A Construction, Operating and Licensing Company under the Allen-Harris and Sutherland systems for the State of New York.

**The Fuel Gas and Light Co. of America, 32 Park Place, New York.**

Capital stock, \$3,000,000.  
 Total bonds outstanding, \$  
 President, F. D. Harmon.  
 Treasurer, Charles C. Allen.  
 Secretary, Charles C. Allen.  
 Purchasing Agent,  
 Chief Engineer, Philip N. MacKenzie.  
 An Operating and Licensing Company under recent MacKenzie patents.

**The National Gas Improvement Co. Agency Office, 115 Broadway, New York.**

Capital stock, \$1,000,000.  
 President, W. S. Chamberlin.  
 Vice-President,  
 Treasurer, A. M. Sutherland.  
 Secretary,  
 An Operating and Licensing Company under the Sutherland and Allen-Harris systems.

The care and attention given the details renders the *Thomson-Houston System* easy and economical to operate. See advertisement, page x.

**The United States Equitable Gas Co., 45 Broadway, New York City.**

Capital stock, \$1,200,000.  
 Bonds, none.  
 President, Chas. F. Dietrich.  
 Treasurer, J. Bertschmann.  
 Secretary, A. B. Proal.  
 Owners of the "Jerzmanowski" and Tessie du Motay patents.

**United Gas Co. of New York, 10 Wall St., N. Y.**

Capital stock, \$5,00,000.  
 Total bonds outstanding, \$  
 President, David Paton.  
 Treasurer, Henry Lewis.  
 Secretary, Henry Lewis.  
 Purchasing Agent, Charles E. Morgan, Drexel Building, Philadelphia (for Territory of Massachusetts).

**OHIO.****The Ohio Gas and Construction Co., Cleveland.**

Capital stock, \$500,000.  
 Total bonds outstanding, none.  
 President, David Morrison.  
 Treasurer, M. M. Hobart, Blackstone Building.  
 Secretary, M. M. Hobart, Blackstone Building.  
 Purchasing Agent,  
 A Constructing and Operating Company for the State of Ohio and to manufacture Gas for illuminating and fuel purposes out of crude "Lima" oil.

**PENNSYLVANIA.****American Gas Co., Philadelphia.**

Capital stock, \$250,000.  
 Total bonds outstanding, none of its own.  
 President, Malcolm S. Greenough.  
 Treasurer, Chas. V. Grant.  
 Secretary, Chas. V. Grant.

**Economy Gas Light and Construction Co., Philadelphia.**

Capital stock, \$500,000.  
 Total bonds outstanding, \$  
 President, Thomas M. Ferrill.  
 Treasurer, F. J. Melvin.  
 Secretary, S. N. Van Syckel.  
 General Manager, S. N. Van Syckel.  
 An Operating and Construction Company.  
 "Economy" Oil process.

**Eureka Gas Fuel and Light Co., Pittsburgh.***Allegheny County.*

Capital stock, \$50,000.  
 Total bonds outstanding, \$  
 President, W. H. Denniston.  
 Treasurer, S. N. Trent.  
 Secretary, S. N. Trent.  
 Purchasing Agent, W. H. Denniston.  
 Superintendent, W. T. Stewart.  
 Process of Manufacture, Oil.  
 A Licensing Company.

**Loomis Gas Machinery Co., Philadelphia.**

Capital stock, \$1,000,000.  
 President, Hamilton Disston.

Treasurer, John Roberts.  
 Secretary, John Roberts.  
 General Manager, Burdett Loomis, Hartford.  
 A Licensing and Operating Company under the Loomis system.

**The United Gas Improvement Co., Philadelphia.***Philadelphia County.*

Capital stock, \$10,000,000 authorized; \$5,000,000 issued.  
 Total bonds outstanding, \$1,000,000.  
 President, W. W. Gibbs.  
 Vice-President, George Philler.  
 General Manager, Saml. T. Bodine.  
 Treasurer, Edward C. Lee.  
 Secretary, Edward C. Lee.  
 Purchasing Agent, Charles E. Morgan, Drexel Building, Philadelphia.  
 General Superintendent, Alexander C. Humphreys.  
 Assistant General Superintendent, Walton Clark.  
 An Operating, Licensing and Construction Company, under the Lowe and other systems.

**Welsbach Incandescent Gas Light Co. (Parent Company.)**

Works, Gloucester, N. J.  
 Office, Drexel Building, Philadelphia.  
 Territory, the United States.  
 Capital stock, \$10,000,000 authorized; \$9,025,000 issued.  
 President, W. E. Barrows.  
 Vice-President, W. W. Gibbs.  
 General Manager, W. E. Barrows.  
 Treasurer, Edward C. Lee.  
 Secretary, Edward C. Lee.  
 Purchasing Agent, Charles E. Morgan, Drexel Building, Philadelphia.  
 Superintendent and Chemist, Waldron Shapleigh.

**Welsbach Incandescent Gas Light Co. of the State of New York.**

Territory, New York State.  
 Office, Drexel Building, Philadelphia, and 71 University place, New York.  
 Capital stock, \$4,500,000.  
 President, W. W. Gibbs.  
 Vice-President, S. J. Montgomery.  
 Treasurer, Edward C. Lee.  
 Secretary, Edward C. Lee.  
 Purchasing Agent, Charles E. Morgan, Drexel Building, Philadelphia.  
 Superintendent, Geo. A. Larbell, New York City.

**Welsbach Incandescent Gas Light Co. of Pennsylvania.**

Territory, States of Pennsylvania, New Jersey, Maryland and Delaware and the District of Columbia.  
 Capital stock, \$4,500,000.  
 President, W. E. Barrows.  
 Vice-President, Randal Morgan.  
 Treasurer, Edward C. Lee.  
 Secretary, Edward C. Lee.  
 Purchasing Agent, Charles E. Morgan, Drexel Building, Philadelphia.  
 Superintendent, H. W. Holmes.  
 Main office, Drexel Building, Philadelphia  
 Branch office, 704 Penn avenue, Pittsburgh.

A careful investigation of the systems in use among the Gas Companies will show that the *Thomson-Houston* leads the rest both in the number of installations and successful operation. See advertisement, page x.



# PENNSYLVANIA IRON WORKS,

**Constructing Engineers,**

OFFICE AND WORKS: 50th ST. AND MARION AVE.

PHILADELPHIA, PA.

## CASTINGS AND MACHINERY FOR GAS WORKS,

**Latest Improved Greene Engine,**

*Rankin Refrigerating and Ice Machinery,*

CABLE RAILROAD MACHINERY, PATTERN, FOUNDRY AND MACHINE WORK.

**PENNSYLVANIA GLOBE**  
**GAS LIGHT CO.**  
 SOLE MANUFACTURERS OF THE  
**IMPROVED ROYAL AND ELKINS GAS MACHINE**

**THE BEST IN THE MARKET**  
 22<sup>ND</sup> 28<sup>TH</sup> 15<sup>TH</sup> ST.  
 PHILA'D'A.  
 115 BROADWAY  
 NEW YORK  
 195 MICHIGAN ST.  
 CHICAGO.

**NAPHTHA & GASOLINE**  
 KINDS OF GAS MACHINES

**FOR ALL**

**CONTRACTORS FOR LIGHTING CITIES AND TOWNS WITH THEIR RENOWNED SYSTEM OF SELF-GENERATING GAS LAMPS. OVER 50 000 IN USE.**

GUTHRIE & WESTON-TO PHILA.



# AMERICAN GAS LIGHT ASSOCIATION.

## PRESIDENT.

EMERSON McMILLIN, St. Louis, Mo.

## VICE-PRESIDENTS.

JOHN P. HARBISON, Hartford, Conn. WM. HENRY WHITE, New York, N. Y.

A. E. BOARDMAN, Macon, Ga.

## SECRETARY AND TREASURER.

C. J. R. HUMPHREYS, Lawrence, Mass.

## MEMBERS OF THE COUNCIL.

### FOR ONE YEAR.

B. E. CHOLLAR, Topeka, Kan.

### FOR TWO YEARS.

S. G. STINESS, Pawtucket, R. I.,

WALTON CLARK, Philadelphia, Pa.,

CHARLES R. FABEN, JR., Toledo, O.,

THOMAS G. LANSDEN, Washington, D. C.

ANNUAL MEETING.—Third Wednesday in October.

## HONORARY MEMBERS.

Prof. C. F. Chandler, of Columbia School of Mines,  
New York, N. Y.

William King, Engineer Gas Co.,  
Liverpool, Eng.

W. W. Greenough, Treasurer and Agent, Boston  
Gas Light Co., Boston, Mass.

Gen. Charles Roome, Ex-President Consolidated Gas  
Co., New York, N. Y.

Prof. Henry Morton, Ph. D., President Stevens  
Institute of Technology, Hoboken, N. J.

Prof. E. G. Love, Ph. D., Gas Examiner of New  
York City, 122 Bowery, New York City.

## ACTIVE MEMBERS.

Abel, W. G., Superintendent Atlanta Gas Light Co.,  
Atlanta, Ga.

Adams, H. C., Secretary Westmoreland Coal Co.,  
Philadelphia, Pa.

Adams, Wm. C., Superintendent Gas Works,  
Richmond, Va.

Addicks, J. Edward, Constructor of Gas Works,  
Room 950 Drexel Building, Phila., Pa.

Africa, J. Simpson, President Huntingdon Gas Co.,  
320 Penn St., Huntingdon, Pa.

Allen, Augustus L., and Superintendent Citizens'  
Gas Co., Poughkeepsie, N. Y.

Amory, Dr. Robert, President and Manager Brook-  
line Gas Co., Brookline, Mass.

Anderson, Wm., Manager Gas Co., Marlboro, Mass.

Andrew, Jno., Superintendent Chelsea Gas Co.,  
61 W. Third St., Chelsea, Mass.

Archer, Benj. F., President Camden Gas Light Co.,  
319 Cooper St., Camden, N. J.

Armington James H., President and Engineer Brook-  
lyn Gas Light Co., Brooklyn, N. Y.

Atwood, H. A., Superintendent Plymouth Gas  
Light Co., Plymouth, Mass.

Averill, A. T., President Cedar Rapids Gas Light  
Co., Cedar Rapids, Iowa.

Bailey, Charles B., Secretary Gas Co.,  
Washington, D. C.

Baltimore, John, Engineer, 64 E. 112th St., N. Y. City.

Barret, A. H., Engineer Louisville Gas Co.,  
336 West Green St., Louisville, Ky.

Bartlett, E. L., of Bartlett, Hayward & Co.,  
Baltimore, Md.

Bates, Jno. W.,  
409 Washington St., Hoboken, N. J.

Battin, Isaac Superintendent and Treasurer Omaha  
Gas Manufacturing Co., Omaha, Neb.

Bauer, P., Gen'l Man'r Gas Co., Fort Scott, Kansas.

Baumgardner, John H., Secretary and Treasurer  
Gas Light and Fuel Co., Lancaster, Pa.

Baxter, Isaac C., Superintendent Detroit Gas Co.,  
Detroit, Mich.

Baxter, Robert, Manager Halifax Gas Light Co.,  
Halifax, Nova Scotia.

Baxter, Wm. H., Engineer and Superintendent  
Petersburg Gas Light Co., Petersburg, Va.

Beal, Wm. R., President and Supt. Central Gas  
Light Co., 142d St. & Alex. Ave., N. Y. City.

Bell, H. J., Ph. D., 1042 Ridge Ave., Philadelphia.

Benson, Fred S., Engineer Nassau Gas Light Co.,  
Kent Ave. & Cross Sts., Brooklyn, N. Y.

Betts, Edward, President Wilmington Coal Gas Co.,  
Wilmington, Del.

Bierce, Frank, Engineer and General Manager Gas  
Co., Memphis, Tenn.

Bigelow, Henry N., Treasurer and General Manager  
Clinton Gas Light Co., Clinton, Mass.

Gas Companies should investigate the *Thomson-Houston System* before purchasing any other. The best is always the cheapest. See advertisement, page x.

- Bill, George D., Sup. and Treasurer, Malden and Melrose Gas Light Co., Malden, Mass.
- Blodget, Chas. W., Secretary Williamsburg Gas Light Co., 324 Bedford Ave., Brooklyn, N. Y.
- Boardman, A. E., Superintendent and General Manager Gas Light and Water Co., Macon, Ga.
- Boardman, Henry, Secretary Bangor Gas Co., Bangor, Me.
- Bodine, Samuel T., General Manager U. G. I. Co., Chestnut and Fifth Sts., Philadelphia, Pa.
- Booth, Chas. E.,  
96 Board of Trade Building, Chicago, Ill.
- Borgner, Cyrus,  
23d St., Philadelphia, Pa.
- Bradley, Fred. L., Superintendent Consolidated Gas Co., N. Y. City.
- Bradley, Wm. H., Chief Engineer of Consolidated Gas Co., New York, N. Y.
- Bredel, Frederick, Gas Engineer,  
208 E. 17th St., New York, N. Y.
- Breeze, E. M.,  
Rock Ledge, Rivard Co., Florida.
- Brown, E. C., Editor of "Progressive Age,"  
18 Broadway, New York, N. Y.
- Brown, Thos. R.,  
12th and Buttonwood Sts., Philadelphia, Pa.
- Burtis, Peter T.,  
Phoenix, Arizona.
- Bush, Jno. S., Sec and Treas. Northern Gas Light Co., Vanderbilt Ave. and 176th St., New York.
- Butterworth, Irvin, General Manager Gas Co., Columbus, O.
- Butterworth, Wm. C., President Rockford Gas Light and Coke Co., Rockford, Ill.
- Byrne, Thos. E., Engineer Citizens' Gas Light Co., Fifth St., cor. Hoyt, Brooklyn, N. Y.
- Cabot, George D.,  
P. O. Box 205 Lawrence, Mass.
- Cabot, John,  
306 11th Ave., New York, N. Y.
- Capelle, George S., Vice-President Wilmington Coal Gas Co., Wilmington, Del.
- Cartwright, Matt., Superintendent, Secretary and Treasurer Gas Light Co. Rochester, N. Y.
- Cartwright, William, Superintendent, Secretary and Treasurer Gas Light Co., Oswego, N. Y.
- Callahan, W. P., Director Dayton Gas Light and Coke Co., Dayton, Ohio.
- Carroll, Francis,  
Manager New Orleans Gas Co., La.
- Chadwick, H. J., Treasurer and Superintendent Gas and Electric Light Co., Lockport, N. Y.
- Chambers, John S., General Manager, Treasurer and Secretary Gas Light Co., Trenton N. J.
- Chollar, Byron E., Superintendent and Engineer Excelsior C. & G. Co., Topeka, Kansas.
- Clark, Geo. S., Assistant Superintendent Gas Light and Coke Co., Kansas City, Mo.
- Clark, Walton, Assistant General Superintendent U. G. I. Co., Drexel Building, Philadelphia.
- Clifford, James B., Superintendent Retort Works of James Gardner, Jr., Lockport, Pa.
- Coffin, Jno. A., Superintendent Gloucester Gas Co., Gloucester, Mass.
- Coggshall, H. F., General Manager, Treasurer and Secretary Gas Co., Fitchburg, Mass.
- Cole, T. W., Superintendent Altoona Gas Co.,  
730 Eleventh Ave., Altoona, Pa.
- Collins, A. P., Secretary and Treasurer New Britain Gas Light Co., New Britain, Conn.
- Connelly J. S., of Connelly & Co.,  
177 Broadway, New York, N. Y.
- Connelly, T. E., of Connelly & Co.,  
177 Broadway, New York, N. Y.
- Cooper, Arthur F., Superintendent Exeter Gas Light Co., Exeter, N. H.
- Copp, Austin M., Treasurer and Agent Plymouth Gas Co., 86 State St., Boston, Mass.
- Corbett, Charles H., Vice-President Continental Iron Works, Greenpoint, Brooklyn, N. Y.
- Cornell, A. B., Secretary and Treasurer Home Gas Fuel Co., Youngstown, O.
- Cornell, Thos. C., President Yonkers Gas Light Co., Yonkers, N. Y.
- Cornelius, Robert C.,  
Philadelphia, Pa.
- Cosgrove, W. L., Gas Engineer,  
Evanstown, Cook Co., Ill.
- Cowdery, Ed. G., Engineer and Superintendent Gas Light Co., Milwaukee, Wis.
- Cowing, Jno. H., Vice-President and Treasurer Buffalo Mutual Gas Light Co., Buffalo, N. Y.
- Coyle, Patrick, Superintendent Charlestown Gas Co., Thompson Square, Boston, Mass.
- Crafts, David W., Superintendent Northampton Gas Light Co., Northampton, Mass.
- Cressler, A. D., President Kerr Murray Mfg Co. Fort Wayne, Ind.
- Crockett, Joseph B., President and Engineer San Francisco Gas Light Co., San Francisco, Cal.
- Curley, Thomas, Superintendent Wilmington Coal Gas Co., 600 Washington St., Wilmington, Del.
- Cushing, Oliver E., Agent Lowell Gas Light Co.,  
24 Shattuck St., Lowell, Mass.
- Daly, David, Superintendent Jersey City Fire Brick Works, Jersey City, N. J.
- Davis, Frederick J., of Davis and Farnum Mfg Co., Waltham, Mass.
- Davis, Frederick R., Treasurer and Superintendent Miller's River Gas Light Co., Athol, Mass.
- Dell, Jno., Agent Laclede Fire Brick Mfg Co.,  
901 Pine St., St. Louis, Mo.
- Denniston, W. H., Secretary and Superintendent East End Gas Co., 6234 Penn Ave. Pittsburg, Pa.
- Diall, M. N., Superintendent Gas Co.,  
Terra Haute, Ind.
- Dickey, Charles H.,  
22 & 24 Saratoga St., Baltimore, Md.
- Dickey, R. R., President Dayton Gas Light and Coke Co., 120 E. Third St. Dayton, Ohio.
- Dingee, F. A., President Penn Gas Coal Co.,  
209 S. Third St., Philadelphia, Pa.
- Doty, Albert J., Superintendent Clerk Gas Engine Co., 1016 Filbert St., Philadelphia, Pa.
- Douglass, David, Secretary and Superintendent Mutual Gas Light Co., Savannah, Ga.
- Douglass, S. H., President and Superintendent Ann Arbor Gas Co., Ann Arbor, Mich.
- Down, Wm. H., Secretary and Ass't Treasurer American Meter Co., 512 W. 22d St., N. Y.
- Edgerton, H. H., 5th and Chestnut Sts.,  
Drexel Building, Philadelphia, Pa.
- Egner, Frederick, Engineer Laclede Gas Co.,  
St. Louis, Mo.
- Edwards, George B.,  
142 Chambers St., New York, N. Y.
- Eichbaum, F. H., Engineer and Superintendent Pacific Gas Improvement Co., San Francisco, Cal.
- Elkins, George W., Mfr Coal Tar Products,  
423 Walnut St., Philadelphia, Pa.
- Elkins, William L., Jr., Treasurer Pa. Globe Gas Light Co., 47 N. 2d St., Philadelphia, Pa.
- Enfield, William, Superintendent and Engineer Gas Co., Dallas, Texas.

Some of the most successful Electric Lighting Companies are the Gas Companies using the *Thomson-Houston System*. See advertisement, page x.



- Ensley, Enoch,  
Memphis, Tenn.
- Evans, Charles H., Engineer and Manager Falme-  
jalm, Inc., Gas Light Co., and Jackson, Mich.,  
Light and Fuel Co.
- Faben, Charles R., Jr., Superintendent Toledo Gas  
Light and Coke Co., Toledo, Ohio.
- Fay, Wm. J., President and Manager Denver Gas  
Co., Denver, Colorado.
- Ferrell, Joseph L., Consulting Engineer Southwark  
Foundry and Machine Co., Philadelphia, Pa.
- Findlay, J. H., Lessee Ogdensburg N. Y. Gas and  
Electric Light and Malone Gas Co.,
- Flanigen, C. D., Agent and Manager Athens Gas  
Light Co., Athens, Ga.
- Flemming, Dudley D.,  
249 Washington Ave., Jersey City, N. J.
- Fletcher, A. M., President Indianapolis Gas Light  
and Coke Co., 49 S. Penn St., Indianapolis, Ind.
- Floyd, Fred W., of Oregon Iron Works,  
539 West 20th St., New York, N. Y.
- Floyd, Henry E., of Oregon Iron Works,  
539 West 20th St., New York, N. Y.
- Floyd, James R., of Oregon Iron Works,  
539 West 20th St., New York, N. Y.
- Fodell, Wm. P., Secretary and Treasurer Northern  
Liberties Gas Co., 50 Laurel St., Philadelphia, Pa.
- Fogarty, Thomas B.,  
Astoria, N. Y.
- Forbes, James, Superintendent Gas Co.,  
Chattanooga, Tenn.
- Forstall, Alfred E., Superintendent N. Station  
Chicago Gas Light and Coke Co., Chicago, Ill.
- Foster, T. G., Secretary and Treasurer Montgomery  
Gas Light Co., Montgomery, Ala.
- Fowler, John, of Deily & Fowler,  
39 Laurel St., Philadelphia, Pa.
- Franklin, S. J., Secretary and Superintendent Gas  
Co., Warren, Pa.
- Frost, Edward I., New York, N. Y.
- Frost, W. H., Superintendent Station Consoli-  
dated Gas Co., Foot West 44th St., New York.
- Fry, Chas. C., Treasurer and Clerk Lynn Gas and  
Electric Co., Lynn, Mass.
- Fullagar, John, Napa City, Cal.
- Gardner, James, Jr.,  
P. O. Box 373, Pittsburg, Pa.
- Gardner, William,  
P. O. Box 373, Pittsburg, Pa.
- Gartley, Wm. H.,  
26 South 15th St., Philadelphia.
- Gates, Frederick Wm., President Hamilton Gas  
Light Co., Hamilton, Ontario, Canada.
- Geggie, David H., Secretary and Manager Quebec  
Gas Co., Quebec, Canada.
- Gerould, Chas. L., Superintendent People's Gas  
Light Co., Brooklyn, E. D., N. Y.
- Gerould, L. P., Superintendent Gas Co.,  
Mendota, Ill.
- Gibbs, W. W., President U. G. I. Co.,  
Drexel Building, Philadelphia, Pa.
- Gibson, W. H., Superintendent Lima Gas Co.,  
P. O. Box 183, Lima, Ohio.
- Gilbert, Thomas D., Secretary and Treasurer  
Grand Rapids Mich. Gas Light Co.
- Glasgow, Arthur G., Superintendent Kansas City  
Gas Light and Coke Co., Kansas City, Mo.
- Goodwin, W. W., President Goodwin Gas Stove and  
Meter Co., 1016 Filbert St., Philadelphia, Pa.
- Gordon, J. J.,  
18 Johnson Building, Cincinnati, Ohio.
- Graeff, Geo. W., Jr., Philadelphia, Pa.
- Graves, Henry C., Vice-President Dayton Gas Light  
and Coke Co., Dayton, Ohio.
- Greenough, Malcom S., General Superintendent  
Boston Gas Light Co., 24 West St., Boston, Mass.
- Green, James, President Sedalia Gas Co.,  
901 Pine St., St. Louis, Mo.
- Gribbel, John, J. J. Griffin & Co.,  
52 Dey St., New York, N. Y.
- Griffin, John J., J. J. Griffin & Co.,  
9th and Race Sts., Philadelphia, Pa.
- Hall, Richard F., 359 Broadway, Troy, New York.
- Hallett, J. L., Treasurer and Manager Springfield  
Gas Light Co., Springfield, Mass.
- Hambleton, F. H., Engineer Consolidated Gas Co.,  
Baltimore, Md.
- Hanford, L. C., Superintendent Gas Co.,  
Norwalk, Conn.
- Harbison, John P., Treasurer Hartford City Gas  
Light Co., Hartford, Conn.
- Harris, J. A., of Harris, Griffin & Co.,  
12th and Brown Sts., Philadelphia, Pa.
- Harper, George H., Superintendent Fall River Gas  
Works Company, Fall River, Mass.
- Hauk, Charles D., Secretary and Genl. Manager  
National Gas Light and Fuel Co., Chicago, Ill.
- Hayward, Thos. J., Heating and Ventilating En-  
gineer, Pratt and Scott Sts., Baltimore, Md.
- Helme, Wm. E., of Helme & McIlhenny,  
1339 Cherry St., Philadelphia, Pa.
- Hequembourg, C. E., President and Superintendent  
Gas Light and Heating Co., Bradford, Pa.
- Hickenlooper, A., President Cincinnati Gas Light  
and Coke Co., 116 Dayton St., Cincinnati, Ohio.
- Higby, Wm. R., President Bridgeport Gas Light Co.,  
Bridgeport, Conn.
- Hookey, George S., Superintendent Gas Light Co.,  
Augusta, Ga.
- Hoover, C. E., Superintendent Winchester Gas Co.,  
cor. Kent and Water Sts., Winchester, Va.
- Hopper, Thos. C.,  
38 West Walnut Lane, Germantown, Pa.
- Hopper, Wm. H.,  
20 West Walnut Lane, Germantown, Pa.
- Horry, Wm. Smith, Crystal Carbon Light Co.,  
1018 Chestnut St., Philadelphia, Pa.
- Hostetter, D. Hubert, President Pittsburgh Gas Co.
- Houston, Walter B., Secretary and Superintendent  
Gas Co., Rahway, N. J.
- Howard, Eugene, Vice-President Gas Consumers'  
Benefit Co., 19 Park Place, New York City.
- Howard, Laclede J., of Evans & Howard,  
916 Market St., St. Louis, Mo.
- Humphreys, Alex. C., General Superintendent U.  
G. I. Co., Drexel Building, Philadelphia, Pa.
- Humphreys, C. J. R., Agent Lawrence Gas Co.,  
P. O. Box 354, Lawrence, Mass.
- Humphreys, William, Lessee of Gas Works,  
Dansville, N. Y.
- Huntington, P. W., President Columbus Gas Light  
and Coke Co., Columbus, Ohio.
- Hyde, Gustavus A., Sr., Engineer Cleveland Gas  
Light and Coke Co., Cleveland, Ohio.
- Isbell, Chas. W., Secretary Smith & Sayre Manu-  
facturing Co., 245 Broadway, New York.
- Jackson, Walter M., President Gas Consumers'  
Benefit Co., 21 Jane St., New York, N. Y.
- Jones, Edward, Superintendent and Engineer South  
Boston Gas Light Co., So. Boston, Mass.
- Jones, Edward C., Superintendent Boston Gas Light  
Co., So. Boston, Mass.
- Jones, Lewis S., Bell & Jones, 12 N. 9th St., Phila-  
delphia, Pa.

The advantages of the adoption of Electric Lighting by Gas Companies are established beyond question, and the *Thomson-Houston* is the best system. See advertisement, page x.



- Judson, C. E., President and Engineer Consumers' Gas Co., Lake Gas Co., Hyde Park Gas Co., 94 Dearborn St., Chicago, Ill.
- Kitson, Arthur, 1832 Mt. Vernon St., Philadelphia, Pa.
- Knowles, Jno. H., Richmond, Va.
- Kraft, Geo. W., Jr., Manager Keystone Iron Works, 2132 Filbert St., Philadelphia, Pa.
- Kraft, Geo. W., Proprietor Keystone Iron Works, 2132 Filbert St., Philadelphia, Pa.
- Kreischer, Geo. F., of B. Kreischer & Sons, 132 Mangin St., New York, N. Y.
- Krumholz, Joseph, Secretary and General Manager Buffalo Gas Co., Buffalo, N. Y.
- Kuehn, Jacob L., Superintendent and Engineer York Gas Co., 19 E. Philadelphia St., York, Pa.
- Lamson, Charles D., President Worcester Gas Co., Worcester, Mass.
- Lane, Wm. M., Manager Lancaster Gas Light and Fuel Co., 134 E. Lemon St., Lancaster, Penn.
- Landsen, Thomas G., Superintendent Washington Gas Light Co., Washington, D. C.
- Langford, John T., Contracting Engineer, 70 Kilby St., Boston, Mass.
- Leach, Henry B., Agent and Treasurer Taunton Gas Co., Taunton, Mass.
- Leadley, James E., C. E., 49 N. 2d St., Philadelphia, Pa.
- Learned, E. C., Engineer and Superintendent New Britain Gas Light Co., New Britain, Conn.
- Learned, Waldo A., Superintendent Newton and Watertown Gas Light Co., Newton, Mass.
- Leavitt, Heyward G., Manager United Coal and Oil Gas Co., 1 E. Fortieth St., New York.
- Lee, Edward C., Secretary and Treasurer U. G. I. Co., Drexel Building, Philadelphia, Pa.
- Lenz, Emil, General Agent Stettin Fire Clay Co., 2 and 4 Stone St., New York, N. Y.
- Light, Joseph, Superintendent Dayton Gas Light and Coke Co., 203 E. First St., Dayton, Ohio.
- Lindsley, Edward, Superintendent and Engineer People's Gas Light Co., Cleveland, Ohio.
- Linton, I., President Ravenna Gas and Electric Light Co., Ravenna, Ohio.
- Littlehales, T., Engineer and Manager Gas Co., Hamilton, Ontario.
- Littleton, A. W., Secretary and Superintendent Gas Co., Quincy, Ill.
- Loomis, Burdett, Builder of Water Gas Works, Hartford, Conn.
- Lowe, T. S. C., President Lowe Manufacturing Co., Norristown, Pa.
- Lowe, L. P., Treasurer West Manayunk Gas Co., Norristown, Pa.
- Lucas, Philip, Superintendent and Treasurer East Chester Gas Co., Mt. Vernon, N. Y.
- Ludlam, Edwin, President People's Gas Light Co., 419 Myrtle Ave., Brooklyn, N. Y.
- Lynn, J. T., Engineer and Superintendent Gas Works, Evansville, Ind.
- Lysle, Addison, President Allegheny Heating Co., Pittsburgh, Pa.
- Mayer, Frederick, Constructing Gas Engineer, Cor. Pratt and Scott Sts., Baltimore, Md.
- McCleary, Alex. J., Assistant to Chief Engineer Bureau of Gas, Philadelphia, Pa.
- McCullough, Edmund H., Vice-President Westmoreland Coal Co., 224 S. Third St., Phila., Pa.
- McCutcheon, James, President Gas Co., Allegheny, Pa.
- McDonald, Wm., Superintendent Point Breeze Gas Works Philadelphia.
- McDonald, Wm., Secretary and Treasurer, Bath, N. Y., Gas Co., Albany, N. Y.
- McElroy, Jno. H., Engineer Pittsburg Gas Co., 77 Sixth Ave., Pittsburg, Pa.
- McIlhenny, Jno., Meter Manufacturer, 1339 Cherry St., Philadelphia, Pa.
- McIlhenny, Geo. A., President and Engineer Washington Gas Light Co., Washington, D. C.
- McMillin, Emerson, President, Laclede Gas Co., St. Louis, Mo.
- Merrill, Hiram, Superintendent New Gas Light Co., Janesville, Wis.
- Merrifield, Paul S., Assistant Superintendent American Meter Co., 512 W. 22d St., N. Y.
- Merrick, Samuel V., Superintendent Goodwin Gas Stove and Meter Co., 1014 Filbert St., Phila. Pa.
- Merritt, Charles H., President Danbury Gas Light Co., Danbury, Conn.
- Miller, A. S., Manager Gas Works, Omaha, Neb.
- Milsted, Wm. N., General Supt. and Treasurer American Meter Co., 512 W. 22d St., New York.
- Mitchell, K. M., Superintendent Gas Co., St. Joseph, Mo.
- Monks, Richard J., Agent and Treasurer Woburn Gas Light Co., 35 Congress St., Boston, Mass.
- Mooney, William, Constructing Gas Engineer, 94 Liberty St., New York, N. Y.
- Moore, David, Treasurer and Superintendent Salem Gas Light Co., 161 Essex St., Salem, Mass.
- Morgans, W. H., Superintendent Medbury Gas Works, Pontiac, Mich.
- Morris, Henry G., Engineer and Machinist, 926 Drexel Bldg., Philadelphia, Pa.
- Morris, Rollin, Manager Consumers' Gas Works, Jersey City, N. J.
- Moses, Geo. W., Treasurer Chelsea Gas Light Co., 70 Congress Ave., Chelsea, Mass.
- Murphy, Hugh, Superintendent Sing Sing Gas Mfg Co., Main St., Sing Sing, N. Y.
- Neal, George B., Treasurer and Manager Charlestown Gas Co., Boston, Mass.
- Nettleton, Charles, President East Chester Gas Co., 115 Broadway, New York, N. Y.
- Nettleton Chas. H., Agent and Treasurer Derby Gas Co., Birmingham, Conn.
- Newell, Jno. W., Secretary, Superintendent and Engineer Gas Light Co., New Brunswick, N. J.
- Norton, A. M., Superintendent Nashua Light, Heat and Power Co., Nashua, N. H.
- Nute, Jos. E., Superintendent of Distribution U. G. I. Co., Jersey City, N. J.
- O'Brien, Wm. Jno., Twenty-third St., above Race, Phila., Pa.
- Odiorne, Fred H., President Plymouth Gas Co., 86 State St., Boston Mass.
- Page, George Shephard, 69 Wall St., New York, N. Y.
- Park, William K., Chief Engineer Philadelphia Gas Works, Philadelphia, Pa.
- Parkhurst, J. G., Secretary and Superintendent Coldwater Gas Light Co., Coldwater, Mich.
- Parrish, William, Secretary and Treasurer Waterloo Gas Co., Seneca Falls, N. Y.
- Parritt, Willard, Superintendent Citizens Gas Light and Heating Co., Bloomington, Ill.
- Payne, M. J., President Kansas City Gas Light and Coke Co., Kansas City, Mo.
- Pearson, Wm. H., General Manager and Secretary Consumers' Gas Co., Toronto, Ont.
- Pearson, Wm. H., Jr., Superintendent Consumers' Gas Co., Toronto, Ont.
- Perkins, James D., of Perkins & Co., P. O. Box 3695, New York, N. Y.

The *Thomson-Houston System* gives a greater amount of light for a given expenditure of energy than any other system. See advertisement, page x.

- Perry, Albert D., Thompson Houston Factory, Lynn.
- Peters, Malcolm, Lessee and General Manager Brockton Gas Works, Brockton, Mass.
- Pratt, Edward G., Manager Capital City Gas Light Co., Des Moines, Iowa.
- Prichard, Chas. F., General Superintendent Lynn Gas and Electric Co., Lynn, Mass.
- Prichett, Samuel, President Nashville Gas Light Co., P. O. Box 96, Nashville, Tenn.
- Printz, Eugene, Superintendent Zanesville Gas Light Co., 6th St., Zanesville, Ohio.
- Quinn, A. K., Treasurer Newport Gas Light Co., Newport, R. I.
- Ramsdell, George G., Secretary, Treasurer and Sup. Citizens' Gas Light Co., Vincennes, Ind.
- Raynor, Charles H., Superintendent Adrian Gas Co., Winter St., Adrian, Mich.
- Read, John, Manager Stratford Gas Co., Stratford, Ont.
- Reed, J. Covode, Gas Engineer, Greensburg, Pa.
- Reinmund, Henry J., Lancaster, Ohio.
- Rider, Geo., Half Owner Norwich Gas Light Co., Norwich, N. Y.
- Ridgely, William, President Springfield Gas Light Co., Springfield, Ill.
- Richardson, Frank S., Treasurer and Manager North Adams Gas Light Co., No. Adams, Mass.
- Robinson, Wm. L., Lessee and Manager, Gas Works, Uniontown, Fayette Co., Pa.
- Rogers, James F., Superintendent and Engineer Jamaica Plain Gas Co., Jamaica Plain, Mass.
- Roots, D. T., Vice-President of P. H. & F. M. Roots, Connersville, Ind.
- Rollins, J. H., Worcester, Mass.
- Ross, A. Q., Cor. Fourth and Plum Sts., Cincinnati, O.
- Rowland, Chas. L., Consulting Engineer, 61 Morton St., Brooklyn, N. Y.
- Rowland, T. F., President Continental Iron Works, Brooklyn, N. Y., Station G.
- Rowland, T. F. Jr., Secretary and Treasurer Continental Iron Works, Brooklyn, N. Y.
- Rowland, Wm. L., Superintendent Bower's Ammonia Works, 4800 Chester Ave., Phila., Pa.
- Rusby, Jno. M., Superintendent of Manufacture, U. G. I. Co., Jersey City, N. J.
- Russell, D. R., Broadway and Locust Sts., St. Louis, Mo.
- Sabbaton, F. A., Superintendent Troy Gas Light Co., Troy, N. Y.
- Salter, James E., S. W. cor. 12th and Buttonwood Sts., Philadelphia, Pa.
- Scrafford, Wm. H., Superintendent Bath Gas Co., Bath, N. Y.
- Seaverns, F., of Perkins & Co., P. O. Box 3695, New York, N. Y.
- Scriven, J. F., Manager and Secretary Montreal Gas Co., 11 St. James St., Montreal, Canada.
- Shelton Fred'k K., Gas Engineer U. G. I. Co., Drexel Building, Philadelphia, Pa.
- Sherman, B. F., President Bay State Gas Co., 4 Rialto Building, Boston, Mass.
- Sherman, F. C., Superintendent New Haven Gas Co., New Haven, Conn.
- Simpkin, Wm. E., 1105 Main St., Richmond, Va.
- Sisson, Frank N., with D. McDonald & Co., 51 Lancaster St., Albany, N. Y.
- Slade, James, Superintendent Yonkers Gas Light Co., 95 Woodworth Ave., Yonkers N. Y.
- Slater, A. B., Treasurer, Secretary and General Manager Providence Gas Co., Providence, R. I.
- Slaney, H. C., Assistant Manager Standard Gas Co., New York.
- Slater, A. B. Jr., Superintendent South Station, Providence Gas Co., Providence, R. I.
- Smallwood, James B., 22 and 24 Saratoga St., Baltimore, Md.
- Smedburg, James R., Fireman's Building, Baltimore, Md.
- Smith, Chas. F., 19 High St., Fitchburg, Mass.
- Smith, James H., President and Superintendent Gas Light and Coke Co., Newark, Ohio.
- Smith, Jno. W., Superintendent Northern Liberties Gas Co., 50 Laurel St., Philadelphia, Pa.
- Smith, Marcus, Secretary and Superintendent Wilkes Barre Gas Co., Wilkes Barre, Pa.
- Smith, Orlando F., Superintendent Washington Gas Light Co., Washington, D. C.
- Smith, Robert A. C., 40 and 42 Wall St., New York City.
- Snow, W. H., Assistant Superintendent Gas Works, Holyoke, Mass.
- Somerville, James, Engineer and Superintendent Gas Light and Coke Co., Indianapolis, Ind.
- Spaulding, Chas. F., Superintendent Gas Co., Waltham, Mass.
- Spaulding, Chas. S., Superintendent Gas Co., Brookline, Mass.
- Spaulding, W. F., Superintendent Gas Co., Clinton, Mass.
- Sprague, Charles Hill, 70 Kilby St., Boston, Mass.
- Stacey, Wm., Vice-President Stacey Manufacturing Co., Cincinnati, Ohio.
- Stafford, Jno. W., P. O. Box 120, Meridian, Miss.
- Stanley, Ira N., Gas Engineer, 310 Washington Ave., Brooklyn, N. Y.
- Stannard, A. B., Philadelphia, Pa.
- Starr, James M., President Richmond Gas Co., 818 Main St., Richmond, Ind.
- Stedman, Wm. A., Newport, R. I.
- Stein, E., President Siemens-Lungren Co., 21st St. and Washington Ave., Philadelphia.
- Stephens, Geo. W., Secretary Tarrytown and Irvington Union Gas Light Co., Tarrytown, N. Y.
- Sterling, J. M., President and Superintendent Monroe Gas Light Co., Washington St., Monroe, Mich.
- Stiness, Samuel G., General Manager Pawtucket Gas Co., Pawtucket, R. I.
- Stoddard, C. H., President and Treasurer Metropolitan Gas Light Co., Brooklyn, N. Y.
- Stratton, Rodney J., Superintendent Decatur Gas Light and Coke Co., Decatur, Ill.
- Taber, Robert B., Secretary New Bedford Gas Light Co., New Bedford, Mass.
- Taylor, George H., Secretary, Treasurer and Superintendent Gas Co., Warren, Ohio.
- Thomas, Joseph R., 42 Pine St., New York, N. Y.
- Thomas, Mark B., Manager Dundas Gas Light Co., Dundas, Ont.
- Thompson, James D., Secretary and Treasurer Laclede Gas Light Co., St. Louis, Mo.
- Tilden, William D., President Gas Consumers' Benefit Co., 19 Park Place, New York City.
- Townsend, S. S., General Agent of the P. H. & F. M. Roots Co., 22 Cortlandt St., New York.

The *Thomson-Houston Company* supplies apparatus for Arc and Incandescent Lighting, and the electrical transmission of power. See advertisement, page x.



Tufts, Nathaniel, M'r of Gas Meters,  
153 Franklin St., Boston, Mass.  
Turner, Thomas, President and Superintendent Gas  
Co., Charleston, S. C.  
Twining, E. H. B.,  
Chicago, Ill.  
Van Benschoten, Chas. C., Proprietor Gas Works,  
Main St., New Rochelle, N. Y.  
Vanderpool, Eugene, President and Engineer  
Newark Gas Light Co., Newark, N. J.  
Vail, R. B., Secretary Gas Co.,  
Rahway, N. J.  
Wagner, H. D., Mechanical Engineer,  
119 So. Fourth St., Philadelphia, Pa.  
Wagner, Louis, Director of Department of Public  
Works, Philadelphia, Pa.  
Waldo, Chas. S.,  
88 Water Street, Boston, Mass.  
Waldo, John A., with Waldo Bros.,  
88 Water St., Boston, Mass.  
Walker, James H., Gas Engineer.  
Penn Building, Pittsburg, Pa.  
Warmington, G. H., President People's Gas Light  
Co., 134 Franklin Ave., Cleveland, Ohio.  
Watrous, V. S., Secretary and Treasurer Little Falls  
Gas Co., Little Falls, N. Y.  
Watkins, Elias T.,  
Chicago, Ill.  
Watson, Charles, Secretary and Treasurer Camden  
Gas Light Co., 423 Federal St., Camden, N. J.  
Ward, George M., Chemist Gas Consumers' Benefit  
Co., 39th St. and Broadway, New York City.  
Weber, Adam,  
633 E. 15th St., New York, N. Y.  
Weber, Oscar B.,  
New York City.  
Wells, George Henry, Superintendent Nashville Gas  
Light Co., 513 N. Market St., Nashville, Tenn.

Welsh, William L., Secretary, Treasurer and Super-  
intendent Gas Co., Oswego, N. Y.  
White, C. A., Superintendent Gas Co.,  
Schenectady, N. Y.  
White, Ed. D., Director Nassau Gas Light Co.,  
213 St. Johns Place, Brooklyn, N. Y.  
White, Wm. Henry, Constructing Engineer,  
32 Pine St., New York, N. Y.  
Whittier, Charles R., Civil Engineer,  
306 Eleventh Ave., New York, N. Y.  
Wilcox, H. K., Secretary and Treasurer Middle-  
town, N. Y., Gas and Electric Light Co.  
Williams, E. H., Agent and Superintendent U. G. I.  
Co., Waterbury, Conn.  
Williams, James, Superintendent Johnstown Gas  
Co., Johnstown, Pa.  
Willets, Chas. A., Superintendent Gas Co.,  
Flushing, N. Y.  
Wood, Austin C., Engineer and Superintendent Gas  
Light Co. of Syracuse, Syracuse, N. Y.  
Wood, Gideon, Superintendent New Bedford Gas  
Light Co., 75 Walnut St., New Bedford, Mass.  
Wood, Walter, Treasurer Millville, Gas Light Co.,  
400 Chestnut St., Philadelphia, Pa.  
Wood, Wm. A., Superintendent Commercial Point  
Station, Boston Gas Co., Boston, Mass.  
York, Eugene H., Gas Co.,  
Brockton, Mass.  
Young, John, Superintendent Allegheny Heating  
Co., Allegheny City, Pa.  
Young, Peter, Superintendent Knoxville Gas Light  
Co., Knoxville, Tenn.  
Young, Robert, Engineer and Superintendent Alle-  
gheny Gas Light Co., Allegheny, Pa.  
Zimmerman, W. F., Engineer, Fuel, Gas and  
Electric Engineering Co., Pittsburg, Pa.  
Zollkoffer, Oscar, Vice-President and Manager Con-  
solidated Gas Co., 1547 Broadway, New York.

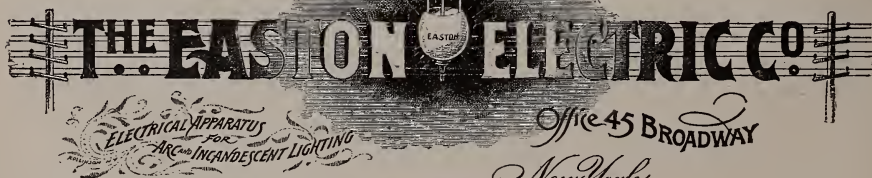
## ASSOCIATE MEMBERS.

Barrows, W. E., President Welsbach, Incandescent  
Gas Light Co., Philadelphia, Pa.  
Crane, William M., Baltimore.  
Conant, Ed., Secretary Standard Gas Co.,  
New York.  
Logan, William J., Proprietor Logan Iron Works,  
Brooklyn, E. D., New York.  
Norton, H. A., Boston, Mass.  
Oakman Richard N.,  
Greenfield, Mass.  
Ossius, George, Secretary and Treasurer Michigan  
Ammonia Works, Detroit, Mich.  
Persons, F. R., Manager J. J. Griffin & Co.,  
75 N. Clinton St., Chicago, Ill.

Rice, F. B., Chemist and Gas Engineer,  
New York City.  
Stratton, S. S., Manager Goodwin Gas Stove and  
Meter Co., Chicago.  
Sumner, Robert N., Architect and Draughtsman,  
Bureau of Gas Department, Philadelphia, Pa.  
Walsh, R. D., Inspector St. Louis Gas Light Co.  
Wilson, W. I., Engineer and Manager, James &  
Wm. Wood, 2 and 4 Stone St., New York.  
Wright, W. S., Manager Standard Light and Heat  
Co., Chicago Ill.  
Van Wie, Peter, G. Manager Van Wie Gas Stove Co.  
Cleveland, Ohio.

P. MINTURN SMITH - President  
WILLIAM D. PERRY - Vice Pres.  
G. G. FRELINGHUYSEN - Secretary

CHARLES TREMAINE - Treasurer  
JAMES W. EASTON -  
Electrician



## PROMINENT FEATURES.

SCIENTIFIC IN CONSTRUCTION.

ECONOMICAL IN MAINTENANCE.

SATISFACTORY IN RESULTS.

LOW PRICES.

SEND FOR ILLUSTRATED CIRCULAR.

The fact that the sale of *Thomson-Houston* apparatus to Gas Companies is daily increasing is proof of its superior qualities. See advertisement, page x.



**THE**  
**BRUSH SYSTEMS**

— OF —

**ARC ELECTRIC LIGHTING,**

INCANDESCENCE

ELECTRIC LIGHTING,

Electric Power Transmission.

---

*THE MOST ECONOMICAL AND RELIABLE.*

---

**The Brush Electric Co.,**  
**CLEVELAND, OHIO.**

GENERAL AGENTS FOR ELECTRIC RAILWAYS:

**The Short Electric Railway Co., Cleveland, O.**

EASTERN OFFICES:

**36 Union Square, New York.**

CHICAGO OFFICES:

**225 Dearborn Street.**

PACIFIC COAST AGENTS:

**The California Electric Light Co., San Francisco, Cal.**

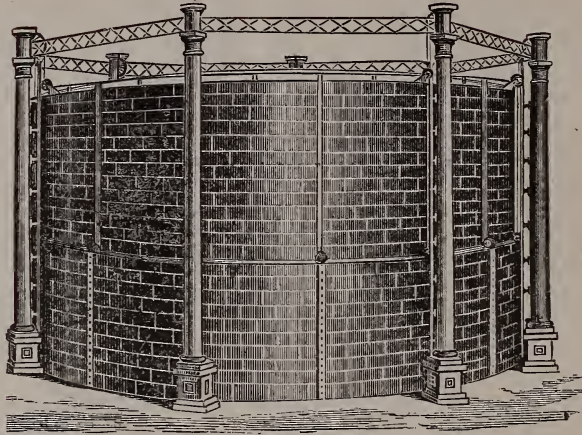
# DAVIS & FARNUM MANUFACTURING CO.,

PRINCIPAL OFFICE  
AND WORKS :

**Waltham,  
Mass.**

BOSTON OFFICE:

**Room 55,  
MASON BUILDING,  
70 Kilby St.**



Engineers and Contractors for the Erection of

## **GAS WORKS APPARATUS** OF EVERY DESCRIPTION.

SINGLE LIFT AND TELESCOPIC GAS HOLDERS a Specialty; also, Purifiers, Condensers, Scrubbers, Iron Roofs and Floors, Pressed Steel and Self-sealing Retort Lids, Hydraulic Mains, Bench Castings, Exhauster Governors, Meter Cases, &c., &c.

**CAST IRON PIPE AND SPECIALS FOR GAS AND WATER,**  
FLANGE PIPE FOR ALL PURPOSES, SUGAR HOUSE WORK, &c.

## **GAS HOLDER PAINT.**

QUALITIES WHICH IT POSSESSES.

**1st. Absolutely Proof against Ammonia.**

**2d. Absolutely waterproof and very elastic.**

**3d. Unequalled covering capacity.**

The following speaks for itself :

POUGHKEEPSIE, N. Y., July 2, 1889.

We find that your Gas Holder Paint has done us better service than any we have ever used. It is the Paint for Gas Works.

Yours very truly,

JOHN TRACY, Manager,

Poughkeepsie Gas Light Co.

SEND FOR PRICES AND CIRCULARS TO

**THE GOVERNMENT WATERPROOF PAINT CO.,**

122 MILK STREET, BOSTON, MASS.

# NEW ENGLAND ASSOCIATION — O F — GAS ENGINEERS.

## OFFICERS AND MEMBERS, 1890-91.

### OFFICERS :

*President,*

C. F. PRICHARD.

*Vice-Presidents,*

H. A. ALLYN,

WM. A. WOOD.

*Directors,*

H. B. LEACH,

WILLIAM BADGER,

Z. M. JENKS,

E. C. JONES,

E. C. LEARNED.

*Secretary and Treasurer,*

CHARLES H. NETTLETON.

*Past Presidents,*

WILLIAM W. GREENOUGH,

GEORGE D. CABOT,

SAMUEL G. STINESS,

WILLIAM A. STEDMAN,

ALPHEUS B. SLATER,

MALCOLM S. GREENOUGH,

JOHN P. HARBISON,

HON. A. M. NORTON.

R. B. TABER.

ANNUAL MEETINGS.—Third Wednesday in February each year, in Boston.

Secretary's Office, Birmingham, Conn.

### HONORARY MEMBERS.

Chas. Roome, Ex-President of Consolidated Gas Light Co., New York City.

Joseph R. Thomas, New York City.

Gen. Andrew Hickenlooper, President Cincinnati Gas Light and Coke Co., Cincinnati, O.

George A. McIlhenny, President Washington Gas Light Co., Washington, D. C.

Emerson McMillen, President Laclede Gas Light Co., St. Louis, Mo.

### ACTIVE MEMBERS.

E. J. Nutter, Milford, Mass.

J. J. Nutter, Milford, Mass.

Andrew J. Horton, Brattleboro, Vt.

William H. Spaulding, Clinton, Mass.

Leonard A. Saville, Lexington, Mass.

A. C. Anthony, Providence, R. I.

Henry Boardman, Bangor, Me.

F. W. Norton, Nashua, N. H.

F. H. Lane, Wallingford, Conn.

H. M. Lane, Leominster, Mass.

G. M. Rossman, Keene, N. H.

Charles T. Frost, Rockland, Maine.

A. H. Parker, Bangor, Maine.

William Yorke, Portland, Maine.

Walter G. Africa, Manchester, N. H.

William Badger, Concord, N. H.

William D. Caldwell, Nashua, N. H.

H. S. Chase, Great Falls, N. H.

A. F. Cooper, Exeter, N. H.

J. M. Hill, Concord, N. H.

T. R. Martin, Portsmouth, N. H.

A. M. Norton, Nashua, N. H.

F. H. Parker, Burlington, Vt.

Horace A. Allyn, Cambridge, Mass.

William Anderson, Marlboro', Mass.

John Andrew, Chelsea, Mass.

H. A. Atwood, Plymouth, Mass.

George D. Bill, Malden, Mass.

F. C. Blood, Ware, Mass.

David Boynton, Chicopee, Mass.

In New England, the Gas Companies in the towns of Birmingham, Meriden and Putnam, Conn.; Augusta and Eastport, Maine; Athol, Beverly, Brookline, Chelsea, Chicopee, Lawrence, Lynn, Lee, New Bedford, Newburyport, Newton, North Adams, Southbridge, Waltham, Ware, Webster, Westfield, Massachusetts, operate the *Thomson-Houston Electric System*. See advertisement, page x.



John H. Burnham, Boston, Mass.  
 George D. Cabot, Lawrence, Mass.  
 J. A. Coffin, Gloucester, Mass.  
 H. F. Coggs, Fitchburg, Mass.  
 Patrick Coyle, Boston, Mass.  
 David W. Crafts, Northampton, Mass.  
 H. S. Crowell, Marlboro', Mass.  
 Oliver E. Cushing, Lowell, Mass.  
 F. R. Davis, Athol, Mass.  
 M. S. Greenough, Boston, Mass.  
 W. W. Greenough, Boston, Mass.  
 J. L. Hallett, Springfield, Mass.  
 Edward Hassett, Beverly, Mass.  
 C. J. R. Humphreys, Lawrence, Mass.  
 C. M. Jewitt, Clinton, Mass.  
 Milton Jewitt, Clinton, Mass.  
 Edward Jones, Boston, Mass.  
 Edward C. Jones, Boston, Mass.  
 Charles D. Lamson, Worcester, Mass.  
 H. B. Leach, Taunton, Mass.  
 W. A. Learned, Newton, Mass.  
 Robert J. Long, Salem, Mass.  
 George L. Manchester, East Hampton, Mass.  
 N. J. McNeil, Quincy, Mass.  
 Richard J. Monks, Woburn, Mass.  
 David Moore, Salem, Mass.  
 George B. Neal, Boston, Mass.  
 Malcolm Peters, Brockton, Mass.  
 Thomas J. Pishon, Boston, Mass.  
 C. F. Prichard, Lynn, Mass.  
 F. S. Richardson, North Adams, Mass.  
 James F. Rogers, Boston, Mass.  
 W. H. Snow, Holyoke, Mass.  
 Charles F. Spaulding, Waltham, Mass.  
 Charles S. Spaulding, Brookline, Mass.  
 J. Q. A. Spear, Dorchester, Mass.  
 W. K. Stratton, Haverhill, Mass.  
 Robert B. Taber, New Bedford, Mass.  
 A. W. Tarbell, Boston, Mass.  
 Dudley D. Tilton, Newburyport, Mass.  
 L. W. Wells, Boston, Mass.  
 G. E. Wetherbee, Worcester, Mass.  
 Gideon Wood, New Bedford, Mass.  
 W. A. Wood, Boston, Mass.  
 Ralph Woodward, Waltham, Mass.

E. H. Yorke, Brockton, Mass.  
 Z. M. Jenks, Woonsocket, R. I.  
 J. H. Manchester, Bristol, R. I.  
 A. D. Perry, Pawtucket, R. I.  
 A. K. Quinn, Newport, R. I.  
 A. B. Slater, Providence, R. I.  
 W. A. Stedman, Newport, R. I.  
 Samuel G. Stiness, Pawtucket, R. I.  
 Charles A. Gerdinier, Bridgeport, Conn.  
 Ogden Gilmor, Norwich, Conn.  
 J. A. Hadley, Meriden, Conn.  
 L. C. Hanford, Norwalk, Conn.  
 John P. Harbison, Hartford, Conn.  
 E. C. Learned, New Britain, Conn.  
 Charles H. Nettleton, Birmingham, Conn.  
 F. C. Sherman, New Haven, Conn.  
 J. H. Armington, Brooklyn, N. Y.  
 William H. Bradley, New York City.  
 John Cabot, New York City.  
 A. M. Copp, Boston, Mass.  
 William B. Durfee, Morristown, N. J.  
 William B. Durfee, Jr., Fall River, Mass.  
 W. H. Frost, New York City.  
 C. L. Gerould, Brooklyn, N. Y.  
 L. P. Gerould, Monmouth, Ills.  
 H. A. Norton, Boston, Mass.  
 Edward G. Pratt, Des Moines, Ia.  
 J. H. Rollins, Worcester, Mass.  
 Charles F. Smith, Fitchburg, Mass.  
 William Tarbell, Waltham, Mass.  
 J. R. Todd, Middletown, N. Y.  
 Charles F. Warren, Manchester, N. H.  
 W. T. Sanborn, Dover, N. H.  
 W. P. Addicks, Boston, Mass.  
 Robert Armory, Brookline, Mass.  
 H. N. Bigelow, Clinton, Mass.  
 Isaiah E. Coffin, Nantucket, Mass.  
 Samuel J. Fowler, Westfield, Mass.  
 Geo. T. Goodno, Dedham, Mass.  
 Henry H. Kelly, Greenfield, Mass.  
 Geo. F. Macmun, Natick, Mass.  
 Louis Malm, Marblehead, Mass.  
 A. B. Slater, Jr., Providence, R. I.  
 W. A. Stedman, Jr., Hartford, Conn.

## ASSOCIATE MEMBERS.

Charles E. Willard, Boston, Mass.  
 George C. Hicks, Boston, Mass.  
 William Holmes, Boston, Mass.  
 Edgar H. Woodman, Concord, N. H.  
 William E. McKay, Boston, Mass.  
 F. H. Brown, Waltham, Mass.  
 Cyrus M. Colburn, Chelsea, Mass.  
 F. J. Davis, Waltham, Mass.  
 C. H. Gifford, New Bedford, Mass.

Nat. Gifford, New Bedford, Mass.  
 G. E. Kenyon, Jamaica Plain, Mass.  
 F. Tobey, Jr., New Bedford, Mass.  
 Nathaniel Tufts, Boston, Mass.  
 Charles S. Waldo, Boston, Mass.  
 J. A. Waldo, Boston, Mass.  
 Rufus E. Holmes, Winsted, Conn.  
 R. R. Smith, New Hartford, Conn.

The Gas Companies in Keene, Manchester, Nashua and Portsmouth, New Hampshire, Pawtucket and Westerly, Rhode Island, and Brattleboro in Vermont operate the *Thomson-Houston Electric System*. See advertisement, page x.

# SOCIETY OF GAS LIGHTING.

---

## OFFICERS.

*President,*  
JOSEPH R. THOMAS.

*Vice-President,*  
EUGENE VANDERPOOL.

*Treasurer,*  
WILLIAM COMBE.

*Secretary,*  
FRED S. BENSON.

*Member Executive Committee,*  
F. C. SHERMAN.

*Members Finance Committee,*  
A. M. SMITH, ALEX. STRECKER, C. H. COGGSHALL.

---

## HONORARY MEMBERS.

Prof. C. F. Chandler, Ph. D., M. D., LL. D., Prof. Anal. Chem. School of Mines, Columbia College.  
Prof. Henry Morton, Ch. D., President Stevens Institute of Technology.  
William King, C. E., Member Institution of Civil Engineers, Engineer Liverpool United Gas Light Co., Liverpool, Eng.  
Gen. Charles Roome, President Consolidated Gas Light Co., New York; Past President American Gas Light Association.  
William Farmer, Architect and Engineer, Ancaster, Ont., Can.

---

## MEMBERS.

James H. Armington, M. Am. Soc. C. E., President Brooklyn Gas Light Co.  
Frederick S. Benson, M. Am. Soc. C. E., Engineer Nassau Gas Light Co.  
Caleb H. Coggs, Superintendent Brooklyn Gas Light Co.  
William Combe, Ex-Superintendent Consolidated Gas Light Co., N. Y.  
William Mooney, Engineer and Architect, 94 Liberty St., New York.  
Albert M. Smith, Superintendent Eighteenth Street Station Consolidated Gas Light Co., New York.  
D. D. Fleming, Ex-Superintendent Jersey City Gas Light Co.  
Alexander H. Strecker, Engineer Citizens' Gas Light Co., Newark, N. J.  
Joseph Russell Thomas, M. Am. Soc. C. E., Honorary Member New England Association of Gas Engineers; Western Gas Light Association; Ohio Gas Light Association and Guild of Gas Managers.  
Eugene Vanderpool, M. A., Mem. Am. Soc. C. E., President and Engineer Newark Gas Light Co.; Past President American Gas Light Association; Member Société Technique de l'industrie du Gaz en France; Honorary Member Ohio Gas Light Association and New England Association of Gas Engineers.

---

## NON-RESIDENT MEMBERS.

George D. Cabot, Ex-Engineer Lawrence Gas Light Co.  
J. L. Hallet, Superintendent Springfield Gas Light Co.  
M. S. Greenough, M. Am. Soc. C. E., Ex-Engineer Boston Gas Light Co.; Engineer Bay State Gas Light Co., Boston, Mass.; Member Société Technique de l'industrie en France; Past President New England Association of Gas Engineers; Past President American Gas Light Association.  
C. J. R. Humphreys, Lawrence Gas Light Co.; Secretary American Gas Light Association.  
Charles D. Lamson, President Worcester, Mass., Gas Light Co.  
Charles H. Nettleton, Superintendent Derby Gas Light Co.  
Francis C. Sherman, Superintendent New Haven Gas Light Co.  
Frederick A. Sabbaton, Engineer Troy Gas Light Co.  
Samuel G. Stiness, Engineer Pawtucket Gas Light Co.; Past President New England Association of Gas Engineers.  
A. B. Slater, Past President New England Association of Gas Engineers; Engineer Providence Gas Light Co.; President American Gas Light Association.  
Thomas Turner, President Charleston Gas Light Co.; Past President American Gas Light Association.  
William A. Stedman, Ex-Engineer Newport Gas Light Co.; Past President New England Association of Gas Engineers; Past President American Gas Light Association; Engineer Rochester (N. Y.) Gas Light Co.  
Austin C. Wood, Engineer Gas Light Co. of Syracuse; Past President American Gas Light Association.  
Robert B. Taber, Secretary New Bedford Gas Light Co.; Past President New England Association of Gas Engineers.  
Emerson McMillin, Ex-Engineer Columbus Gas Light Co.; President Laclede Gas Light Co., St. Louis, Mo.  
J. B. Crockett, President and Engineer San Francisco Gas Light Co.  
Francis H. Hambleton, Chief Engineer Consolidated Gas Co. of Baltimore, Md.  
William H. Bradley, Chief Engineer Consolidated Gas Co. of New York.

---

Gas Companies should investigate the *Thomson-Houston System* of street lighting by Incandescent Lamps. Send for Circular No. 34. See advertisement, page x.

HENRY RANSHAW,  
Pres. and Manager.

WM. STACEY,  
Vice-Pres.

THOS. H. BIRCH,  
Asst. Manager.

R. J. TARVIN,  
Sec'y and Treas.

# THE STACEY MANUFACTURING CO.

SINGLE, DOUBLE AND TRIPLE LIFT

## GAS HOLDERS,

IRON ROOFS, LAMP-POSTS, COAL ELEVATOR CARS,

Water Stand Pipes and Towers,

WROUGHT-IRON OR

STEEL PLATE TANKS FOR GAS HOLDERS, WATER OR OIL,

*BENCH CASTINGS,*

And all kinds of Wrought and Cast Iron Work used in the erection of Gas Works,  
Rolling Mill Machinery and Heavy Castings a Specialty.

---

FOUNDRY:

WROUGHT IRON WORKS:

33, 35, 37 & 39 MILL STREET.

16, 18, 20, 22, 24 & 26 RAMSAY STREET.

CINCINNATI, O.

---

 Plans, Specifications and Estimates Furnished. 



# OHIO GAS LIGHT ASSOCIATION.

---

## *President,*

CHAS. R. FABEN, JR., Toledo.

## *Vice-President,*

H. WILKIEMEYER, Portsmouth.

## *Secretary,*

IRVIN BUTTERWORTH, Columbus.

## *Treasurer,*

GEO. W. MCCOOK, Steubenville.

ANNUAL MEETINGS.—Third Wednesday in March. Next Meeting, Zanesville.

---

## HONORARY MEMBERS.

S. H. Douglas, Superintendent and Treasurer Gas Light Co., Ann Arbor, Michigan.  
Jos. R. Thomas, C. E., 42 Pine street, New York.  
Wm. A. Stedman, Engineer Rochester Gas Light Co., Rochester, N. Y.  
J. P. Harbison, Treasurer and General Manager Gas Co., Hartford, Conn.  
Eugene Vanderpool, President Gas Co., Newark, N. J.  
Geo. G. Ramsdell, Superintendent, Secretary and Treasurer Gas Co., Vincennes, Ind.  
E. S. Funnell, 306 First street, Albany, N. Y.  
M. S. Greenough, Superintendent Boston Gas Light Co., Boston, Mass.  
Geo. W. Graeff, Jr., Philadelphia, Pa.  
Emerson McMillin, President Laclede Gas Light Co., St. Louis.

## ACTIVE MEMBERS.

Adams, C. F., with Chicago Gas Stove Co., Chicago, Ill.	Cantine, W. W., Secretary Gas Light Co., Alliance, O.
Allen, G. A., Secretary Gas Co, Zanesville, O.	Christian, Geo. H., Jr., Superintendent Gas Light Co., Norwalk, O.
Alexander, John W., President and Manager Gas Light and Coke Co., Painesville, O.	Clark, D. M., Secretary, Treasurer and Superinten- dent Gas and Water Co., Elyria, O.
Armstrong, J. M., Secretary Gas Company, Delaware, O.	Clark, Geo. M., with Geo. M. Clark Stove Co., Chicago, Ill.
Bate, Joseph M., Superintendent Gas and Coke Co., Canton, O.	Clapp, G. N., Superintendent Gas Co., Middletown, O.
Bierce, Frank, Engineer and General Manager Gas Light Co., Memphis, Tenn.	Cline, J. W. R., Cashier and Assistant Superinten- dent Gas Light and Coke Co., Springfield, O.
Birch, Thos. H., with Stacey Manufacturing Co., Cincinnati, O.	Connelly, J. S., with Connelly & Co., Lim., 177 Broadway, N. Y.
Bird, S. E., Vice-President Gas Light Co., Mansfield, O.	Connelly, T. E., with Connelly & Co., Lim., 177 Broadway, N. Y.
Blinks, Wm., President Gas Co., Michigan City, Ind.	Coombs, Moses, Jr., Superintendent Gas Co., Youngstown, O.
Booth, Miller, Secretary Gas Light and Coke Co., Bellaire, Ohio.	Coverdale, R. T., Gas Engineer, 15 E. Third street, Cincinnati, O.
Bonney, W. P., Agent Yough. River Coal Company, Erie, Pa.	Cradit, S. B., Superintendent Gas Light and Coke Co., Ripley, O.
Bowers, W. T., late Superintendent Gas Light Co., Hillsboro, O.	Crane, E. H., with Crane Natural Gas Co., Niles, Mich.
Bredel, Fred., New York City.	Cressler, A. D., President Kerr Murray Manufact- uring Co., Ft. Wayne, Ind.
Brown, E. C., President PROGRESSIVE AGE, New York City.	Dangler, D. E., with Dangler Stove Company, Cleveland, O.
Burns, George B., Superintendent Gas Works, Austin, Ill.	Dell, John, Trav. Agent Laclede Fire Brick Mfg. Co., St. Louis, Mo.
Bushnell, A. S., President Gas Light and Coke Co., Springfield, O.	Denniston, W. H., Secretary and Superintendent East End Gas Co., Pittsburgh, Pa.
Butterworth, Irvin, Superintendent of Works, Gas Light and Coke Co., Columbus, O.	Devor, John, President Gas Co., Greenville, O.
Callender, E. P., New York City.	Dick, Samuel B., President Natural Gas Co., Meadville, Pa.
Canby, R. H., Superintendent Gas Light Co., Bellefontaine, O.	

---

In Ohio the Gas Companies in the towns of Bellaire, Findlay, Hamilton, Hillsboro, Jackson, New Philadelphia, Ravenna, Washington and Youngstown operate the *Thomson-Houston Electric System*. See advertisement, page x.

- Dickey, R. R., President Gas Light Co., Dayton, O.
- Dickey, George S., Agent Maryland Meter and Manufacturing Co., Chicago, Ill.
- Dickey, Charles H., with Maryland Meter and Manufacturing Co., Baltimore, Md.
- Dillon, James M., Superintendent Gas Works, Wheeling, W. Va.
- Dittmar, R. A., Superintendent Gas Light Co., Troy, O.
- Douglas, H. W., Treasurer Gas Co., Ann Arbor, Mich.
- Ellis, John R., Superintendent Gas Company, Galion, O.
- Evans, Charles H., Manager Gas Co., Jackson, Mich.
- Evers, M. B., Jr., Superintendent Gas Light Co., Van Wert, O.
- Faben, C. R., Jr., Superintendent Gas Light and Coke Co., Toledo, O.
- Fabing, Fred., Superintendent and Secretary Gas Co., Fremont, O.
- Faux, J. A., Superintendent and Engineer, South Side Gas Co., Pittsburg, Pa.
- Felt, Henry, Superintendent of Distribution Gas Light and Coke Co., Cincinnati, O.
- Floyd, H. E., with Floyd & Sons, New York City.
- Fowler, G. S., Manager Shawnee Oil Company, Lima, O.
- Gartley, W. H., Engineer National Gas Light and Fuel Co., Chicago, Ills.
- Gemuender, M. A., with Gas Light and Coke Co., Columbus, O.
- Green, R. P., Superintendent Gas Works, Ohio Penitentiary, Columbus, O.
- Griffin, John J., with Harris & Griffin Meter Co., Philadelphia, Pa.
- Guldlin, O. N., Manager Western Gas Works Construction Co., Ft. Wayne, Ind.
- Gwyn, Edw. C., Secretary and Treasurer Hoppes Mfg. Co., Springfield, O.
- Gwynn, J. W., Superintendent Gas Light and Fuel Co., Bucyrus, O.
- Gwynne, Jos., Superintendent Gas Light and Coke Co., Steubenville, O.
- Hamlin, E. W., Secretary, Treasurer and Manager Gas Light and Coke Co., Wilmington, O.
- Hammond, A. N., Secretary and Superintendent Gas Light Co., Cadiz, O.
- Harris, Andrew, with Harris Bros. & Co., Philadelphia, Pa.
- Harris, Geo. S., Engineer and Manager Gas and Electric Light Cos., Mansfield, O.
- Harris, J. A., with Harris & Griffin Meter Co., Philadelphia, Pa.
- Harper, H. D., Western Manager D. M. McDonald & Co., Chicago, Ill.
- Hedges, J. S., Treasurer Gas Light Co., Mansfield, O.
- Hickenlooper, A., President Gas Light and Coke Co., Cincinnati, O.
- Hurlburt, H. L., Superintendent Gas Light and Coke Co., Oberlin, O.
- Hyde, G. A., Sr., Engineer Gas Light and Coke Co., Cleveland, O.
- Johnson, A. H., President Gas and Electric Company, Oberlin, O.
- Jones, A. H., Columbus, O.
- Jones, T. C., President Gas Light Co., Delaware, O.
- Kenan, Noirman G., Engineer Gas Light and Coke Co., Cincinnati, O.
- Kopp, A. C., Secretary and Treasurer Gas and Water Co., Chillicothe, O.
- Lathrop, A. P., Treasurer Gas Light and Coke Company, Columbus, O.
- Ley, W. L., with Quick Meal Stove Company, St. Louis, Mo.
- Lee, Richard, Secretary Gas Light and Coke Co., Piqua, O.
- Lewis, E. N., Vice-President Gas Co., Defiance, O.
- Lindsley, Edward, Engineer and Superintendent People's Gas Light Co., Cleveland, O.
- Light, Geo., Ass't Superintendent Gas Light Co., Dayton, O.
- Light, Jos., Superintendent Gas Light Co., Dayton, O.
- McCall, Hugh, Superintendent and Secretary Gas Light Co., Tiffin, O.
- McCook, Geo. W., Secretary Gas Light and Coke Co., Steubenville, O.
- McDonald, Wm., Secretary and Treasurer Bath Gas Co., Albany, N. Y.
- McGerney, F. E., Secretary Gas Co., Xenia, O.
- McIlhenny, John, Gas Meter Manufacturer, Philadelphia, Pa.
- McKay, John, Superintendent Gas and Water Co., Titusville, Pa.
- McMillin, Emerson, President Laclede Gas Co., St. Louis, Mo.
- McMillin, Murray, Lessee and Superintendent Gas Works, Marietta, O.
- Marden, Chas. A., Lessee Gas Co., Coshocton, O.
- Matt, Geo., President Gas Light Co., Lancaster, O.
- Milne, D. S., Superintendent Gas Co., Jamestown, N. Y.
- Mills, John, President Gas Co., Marietta, O.
- Moore, L., with Geo. M. Clark & Co., Joliet, Ill.
- Nash, A. F., Secretary and Treasurer Gas Co., Windsor, Ont.
- Osins, Geo., Detroit, Michigan.
- Padan, Henry, President Gas Light and Coke Co., Portsmouth, O.
- Page, Geo. Shepard, 69 Wall street, New York City.
- Penn, Jerome, Secretary Gas Light Co., Washington C. H. O.
- Perry, A. T., President Forest City Chemical Co., Cleveland, O.
- Persons, Fred. P., Western Manager Harris, Griffin & Co., Chicago, Ill.
- Philipp, E. B., Gas Engineer and Contractor, Findlay, O.
- Phillips, J. H., Manager Phillips' Meter and Gas Stove Works, Cincinnati, O.
- Prichard, W. W., Secretary, Treasurer and Superintendent Gas Co., Ironton, O.
- Printz, Eugene, Superintendent Gas Light Co., Zanesville, O.
- Prout, A. W., Treasurer Gas and Electric Light Cos., Sandusky, O.
- Ranshaw, Henry, President Stacey Manufacturing Co., Cincinnati, O.
- Rempel, F. F., Jr., Secretary Gas Co., Logan, O.
- Reichelderfer, A. C., Superintendent Gas Co., Lima, O.
- Robinson, A. B., Secretary and Treasurer Gas Light and Coke Co., Columbus, O.
- Rood, A. E., President Fostoria Light and Power Company, Toledo, O.
- Roots, D. T., Vice-President The P. H. & F. M. Roots Co., Connerville, Ind.
- Ross, W. A., Superintendent Gas Co., Kenton, O.
- Russell, E. M., Agent Parker-Russell Co., St. Louis, Mo.

The *Thomson-Houston Company* was awarded the only Gold Medal given for Arc Lighting at the International Inventions Exhibition, London, August 1<sup>st</sup>, 1885. See advertisement, page x.



Russell, D. P., Parker-Russell Co., St. Louis, Mo.  
 Salter, Jas., Superintendent Gas Light Co.,  
 Covington, Ky.  
 Salter, Richard, late Superintendent Gas Light Co.,  
 Covington, Ky.  
 Schaff, E. W., Superintendent Gas Co.,  
 Delaware, O.  
 Sherrad, R., Jr., President Gas Light and Coke Co.,  
 Steubenville, O.  
 Sisson, F. N., Trav. Salesman D. McDonald & Co.,  
 Albany, N. Y.  
 Skinner, John W., Agt. American Meter Co.,  
 177 Elm street, Cincinnati, O.  
 Smallwood, Jas. B., Baltimore, Md.  
 Smart, Geo. M., Secretary Gas Light Co.,  
 Dayton, O.  
 Smith, James H., President, Gas Co.,  
 Newark, O.  
 Spinning, D. C., President Urbana and Piqua Gas  
 Cos., Dayton, O.  
 Stacey, F. A., Superintendent Gas and Water Co.,  
 Chillicothe, O.  
 Stacey, Wm., V. P. Stacey Manufacturing Co.,  
 Cincinnati, O.  
 Stannard, A. B., Philadelphia, Pa.  
 Starr, James M., President Gas Co.,  
 Richmond, Ind.  
 Stephens, J. G., with Welsbach Incandescent Light  
 Company, Pittsburgh, Pa.  
 Stockstrone, D., with Quick Meal Stove Co.,  
 St. Louis, Mo.  
 Stoll, A. J., President Gas Light Co.,  
 Sandusky, O.  
 Stratton, S. S., with Goodwin Meter Co.,  
 Chicago, Ill.

Strong, L. A., President Gas Light Co.,  
 Mansfield, O.  
 Tayler, Geo. H., Secretary Treasurer and Superin-  
 tendent Gas Light Co., Warren, O.  
 Taylor, O. P., Secretary, Treasurer and Superin-  
 tendent Gas Light Co., New Philadelphia, O.  
 Thompson, H. C., Superintendent Gas Light Co.,  
 Spokane Falls, Washington.  
 Track, Geo. M., General Superintendent English  
 Cannel Coal Co., Lim., Warsaw, O.  
 Tryon, John M., Secretary and Superintendent Gas  
 Co., Van Wert, O.  
 Turner, R., Superintendent Gas Co.,  
 Salem, O.  
 Walbridge, H. S., Vice-President Gas Light Co.,  
 Toledo, O.  
 Walker, Jas. H., Jr., with Fuel Gas and Electric  
 Engineering Co., Pittsburgh, Pa.  
 Warren, E. C., Superintendent Van Wie Gas Stove  
 Co., Cleveland, O.  
 Webster, O. F., Superintendent Gas Light Co.,  
 Owasso, Mich.  
 Welch, Chas. H., Secretary, Treasurer and Superin-  
 tendent Gas Light Co., Athens, O.  
 Whysall, Geo., Superintendent Natural Gas Co.,  
 Springfield, O.  
 Wilke, F. A., Richmond, Ind.  
 Wilkiemeyer, H., Secretary and Superintendent Gas  
 Light and Coke Co., Portsmouth, O.  
 Witham, Simeon, Superintendent Gas and Coke  
 Co., Gallipolis, O.  
 Wood, P. J., Superintendent Gas Light and Coke  
 Co., Wilmington, O.  
 Wood, Thomas, Superintendent and Secretary Gas  
 and Electric Light Co., Sandusky, O.

## SOUTHWESTERN GAS ASSOCIATION.

*President,*

WILLIAM ENFIELD, Dallas, Tex.

*Vice-President,*

A. E. JUDGE, Austin, Tex

*Secretary and Treasurer*

C. P. RUSSELL, Galveston, Tex

ANNUAL MEETINGS.—Second Tuesday in March.

### MEMBERS.

Adams, Dean, Superintendent Gas Works,  
 Little Rock, Ark.  
 Brockenborough, J. L., Manager Gas Company,  
 Waco, Texas.  
 Beck, Frank, Superintendent Gas Works,  
 Galveston, Texas.  
 Christie, W. H., Superintendent Gas Works,  
 Akron, Ohio.  
 Cullivane, J. R., Superintendent Gas Works,  
 Denison, Texas.  
 Enfield, Wm., Superintendent Gas Works,  
 Dallas, Texas.  
 Hart, M. S., Superintendent Gas Works,  
 Las Vegas, N. M.  
 Hock, Geo., Superintendent Gas Works,  
 Colorado Springs, Col.

Judge, A. E., Superintendent Gas Works,  
 Austin, Texas.  
 Miller, Thos. D.,  
 Fort Worth, Texas.  
 Maxon, J. H., Superintendent Gas Works,  
 Waco, Texas.  
 Roach, Henry, Manager Gas Light Co.,  
 San Antonio, Texas.  
 Russell, C. P., Superintendent Gas Works,  
 Houston, Texas.  
 Smallwood, J. B.,  
 Baltimore, Md.  
 West, E. A., Superintendent Gas Works,  
 San Antonio, Texas.

The *Thomson-Houston Electric Company* was one of the first to show Gas Companies that it was to their advantage to combine Gas and Electric Lighting. See advertisement, page x.



# WESTERN GAS ASSOCIATION.

## OFFICERS FOR 1889-90.

### PRESIDENT:

Chas. R. Faben, Toledo, Ohio.

First Vice-President, Frederic Egner, St. Louis, Mo.    Second Vice-President, Vacant  
Secretary and Treasurer, A. W. Littleton, Quincy, Ill.

ANNUAL MEETINGS.—Third Wednesday in May each year.    Next Meeting in St. Louis, Mo.

### BOARD OF DIRECTORS:

J. B. Howard, Dubuque, Iowa.  
Z. T. F. Runner, Freeport, Ill.  
C. W. Butterworth, Rockford, Ill.  
J. S. Ambrose, Springfield, Mo.  
E. H. Jenkins, Columbus, Ga.

John Gimper, Leavenworth, Kan.  
E. G. Cowdery, Milwaukee, Wis.  
J. W. Dunbar, New Albany, Ind.  
B. E. Chollar, Topeka, Kan.

### HONORARY MEMBERS.

Harbison, John P., Hartford, Conn.  
Hickenlooper, A., Cincinnati, Ohio.  
Humphreys, C. J. R., Lawrence, Mass.  
McIlhenny, Geo. A., Washington, D. C.  
Mendenhall, Prof. T. C., Terre Haute, Ind.

Slater, A. B., Providence, R. I.  
Thomas, Jos. R., New York, N. Y.  
White, Wm. Henry, New York, N. Y.  
Wood, A. C., Syracuse, N. Y.

### ACTIVE MEMBERS.

Allison, J. W., Jackson, Tenn.  
Ambrose, J. S., Springfield, Mo.  
Averill, A. T., Cedar Rapids, Iowa.  
Barret, A. H., Louisville, Ky.  
Baxter, A. C., Jr., Lima, Ohio.  
Baxter, I. C., Detroit, Mich.  
Beck, Frank, Galveston, Texas.  
Bedard, F. W., LaSalle, Ill.  
Bellmer, W. E., Carlinville, Ill.  
Bierce, Frank, Memphis, Tenn.  
Bixby, W. A., Galena, Ill.  
Blinks, Wm., Michigan, City, Ind.  
Boardman, A. E., Macon, Ga.  
Bogue, O. A., Chicago, Ill.  
Bolcom, H. C., Winona, Minn.  
Bowers, W. T., Hillsboro, Ohio.  
Brown, E. L., Chicago, Ill.  
Brown, F. G., Madison, Wis.  
Brown, W. L., Evanston, Ill.  
Burns, Geo. B., Chicago, Ill.  
Bushnell, A. S., Springfield, Ohio.  
Butterworth, C. W., Fort Smith, Ark.  
Butterworth, W. C., Rockford, Ill.  
Canby, R. H., Bellefontaine, Ohio.  
Carver, W. L., Carthage, Mo.

Childs, J. C., Rome, Ga.  
Chollar, B. E., Topeka, Kan.  
Clark, Walton, Philadelphia, Pa.  
Clarke, H. E., Kansas City, Mo.  
Collins, Carroll, Green Bay, Wis.  
Converse, C. M., Delaware, Ohio.  
Cosgrove, T. A., Evanston, Ill.  
Cosgrove, W. L., Evanston, Ill.  
Coverdale, R. T., Cincinnati, Ohio.  
Cowdery, E. G., Milwaukee, Wis.  
Cowdery, J. W., Lancaster, Ohio.  
Critchlow, J. M., Beaver Falls, Pa.  
Croul, Jerome, Detroit, Mich.  
Crowell, F. B., Burlington, Ia.  
Davidson, J. M., Marshall, Mo.,  
Davis, D., Iowa City, Iowa.  
Decker, J. H., Salina, Kan.  
DeMill, P. E., Jr., Alpena, Mich.  
Denniston, W. H., Pittsburgh, Pa.  
Diall, M. N., Terre Haute, Ind.  
Dicky, R. B., Lexington, Mo.  
Douglas, S. H., Ann Arbor, Mich.  
Douglas, H. W., Ann Arbor, Mich.  
Douglas, S. T., Detroit, Mich.  
Dunbar, J. W., New Albany, Ind.

In the West Gas Companies in the towns of Fresno, Oakland, Sacramento, Salinas City, Santa Barbara, Santa Rosa, Woodland, Yreka in California; Cairo, Canton, Freeport, Galesburg, Jacksonville, La Salle, Litchfield, Peoria, Peru and Quincy in Illinois; Columbus, Crawfordsville, Huntington, Lafayette and Richmond in Indiana operate the *Thomson-Houston Electric System*. See advertisement, page x.

Duncan, N. W., LaSalle, Ill.  
 Dunlap, F. M., Detroit, Mich.  
 Dunlap, H., Emporia, Kan.  
 Dunn, G. H., Shelbyville, Ind.  
 Eaton, T. H., Jr., Detroit, Mich.  
 Eaton, W. M., Jackson, Mich.  
 Egan, Jas., Chicago, Ill.  
 Egner, Frederic, St. Louis, Mo.  
 Elbert, V. L., Los Angeles, Cal.  
 Evans, C. H., Jackson, Mich.  
 Faben, C. R., Jr., Toledo, Ohio.  
 Felt, Henry, Cincinnati, Ohio.  
 Ferrier, Jas. Eufala, Ala.  
 Forstall, A. E., Chicago Ill.  
 Forstall, Theo., Chicago, Ill.  
 Foster, T. G., Montgomery, Ala.  
 Freese, F. W., LaPorte, Ind.  
 Frost, E. I., St. Paul, Minn.  
 Fullagar, John, Cincinnati, Ohio.  
 Fullagar, W. E., Georgetown, Ky.  
 Gerould, H. T., Aurora, Ill.  
 Gerould, L. B., Mendota, Ill.  
 Gimper, John, Leavenworth, Kan.  
 Glasgow, A. G., Kansas City, Mo.  
 Gordon, J. J., Cincinnati, Ohio.  
 Gwynn, Jos., Steubenville, Ohio.  
 Harris, G. S., Mansfield, Ohio.  
 Hart, M. S., Las Vegas, N. M.  
 Harthan, H., Selma, Ala.  
 Haselmeyer, Aug., Springfield, Ill.  
 Henning, D., Chicago, Ill.  
 Hess, C. E., Jefferson City, Mo.  
 Higgins, W. H., Kokomo, Ind.  
 Hill, J. D., Fort Scott, Ark.  
 Howard, J. B., Dubuque, Iowa.  
 Howden, J. J., Muskegon, Mich.  
 Humphrey, R. C., Ashtabula, Ohio.  
 Huston, J. N., Connersville, Ind.  
 Hyde, G. A., Cleveland, Ohio.  
 Hyde, G. A., Jr., East Saginaw, Mich.  
 Hyde, H. H., Michigan City, Ind.  
 Jenkins, E. H., Columbus, Ga.  
 Johnson, J. H., St. Louis, Mo.  
 Johnston, R. C., Lawrence, Kan.  
 Johnston, W. J., Fort Smith, Ark.  
 Jones, C. D., Independence, Iowa.  
 Judge, W. H., Rock Island, Ill.  
 Keller, C. M., Columbus, Ind.  
 Kelly, R. W., Atchison, Kan.  
 Kellogg, L. L., Sioux City, Iowa.  
 Kennedy, J. M., Rockford, Ill.  
 King, E. J., Jacksonville, Ill.  
 Kirk, G. W. F., Shelbyville, Ind.  
 Knight, C. S., Ft. Wayne, Ind.  
 Landsen, T. G., Washington, D. C.  
 Leefers, J. H., Shelbyville, Ind.  
 Levings, W. H., Minneapolis, Minn.  
 Light, George, Dayton, Ohio.  
 Light, Joseph, Dayton, Ohio.  
 Lindsley, Edward, Cleveland, Ohio.  
 Lynn, J. F., Evansville, Ind.  
 Littleton, A. W., Quincy, Ill.  
 McKay, Chas., Watertown, Wis.  
 McKnight, G. F., Englewood, Ill.  
 McMillian, Geo., La Crosse, Wis.  
 McMillin, Emerson, Columbus, Ohio.  
 McMillin, F. E., Nebraska City, Neb.  
 Mandeville, W. H., Lima, Ohio.  
 Merrill, H., Janesville, Wis.  
 Mitchell, J. K., Galesburg, Ill.  
 Mitchell, K. M., St. Joseph, Mo.

Montgomery, Jas., Sedalia, Mo.  
 Morgans, W. H., Pontiac, Mich.  
 Morse, E. W., Fort Scott, Kan.  
 Murdock, Geo. T., Elkhart, Ind.  
 Murdock, J. W., Huntsville, Ala.  
 Odiorne, W. H., Springfield, Ill.  
 Page, Geo. S., New York, N. Y.  
 Parkinson, T. L., Centralia, Ill.  
 Parlin, W. H., Canton, Ill.  
 Payne, M. J., Kansas City, Mo.  
 Perkins, B. W., South Bend, Ind.  
 Perkins, N. C., Ottawa, Ill.  
 Post, I. S., Chattanooga, Tenn.  
 Pratt, E. G., Des Moines, Iowa.  
 Pratt, Henry, Chicago, Ill.  
 Prichitt, Samuel, Nashville, Tenn.  
 Printz, Eugene, Zanesville, Ohio.  
 Ramsdell, Geo. G., Vincennes, Ind.  
 Raymond, H. S., Galena, Ill.  
 Raynor, C. H., Adrian, Mich.  
 Reynolds, B. S., Louisiana, Mo.  
 Rice, E. S., Logansport, Ind.  
 Robinson, C. W., Meridian, Miss.  
 Runner, Z. T. F., Freeport, Ill.  
 Salter, Jas., Covington, Ky.  
 Schuster, P. F., Rockford, Ill.  
 Scofield, L. K., Fort Scott, Kan.  
 Scott, H. C., St. Louis, Mo.  
 Sellers, W. B., Covington, Ky.  
 Shelton, F. H., Philadelphia, Pa.  
 Seamon, A. J., Wheeling, W. Va.  
 Shores, L. W., Kankakee, Ill.  
 Shreve, C. D., Marshalltown, Iowa.  
 Small, J. C., Aurora, Ind.  
 Smedburg, J. R., Baltimore, Md.  
 Soden, W. T., Emporia, Kan.  
 Somerville, Jas., Indianapolis, Ind.  
 Spencer, R., Burlington, Iowa.  
 Stanbery, F. H., Pekin, Ill.  
 Starr, E. M., Richmond, Ind.  
 Starr, J. M., Richmond, Ind.  
 Steinwedell, Wm., Quincy, Ill.  
 Stratton, J. W., Valparaiso, Ind.  
 Stratton, R. J., Decatur, Ill.  
 Sumner, Wm., Des Moines, Iowa.  
 Tayler, Geo. H., Warren, Ohio.  
 Taylor, John B., St. Louis, Mo.  
 Taylor, Thos. E., St. Louis, Mo.  
 Thompson, Geo. T., St. Louis, Mo.  
 Thompson, J. D., St. Louis, Mo.  
 Tracy, Wm., Peru, Ind.  
 Veal, Enoch, Boonville, Mo.  
 Walbridge, H. D., Grand Rapids, Mich.  
 Walbridge, H. S., Toledo, Ohio.  
 Wallace, Wm., Lafayette, Ind.  
 Walsh, R. D., St. Louis, Mo.  
 Watt, Anthony, Connersville, Ind.  
 Watts, Sylvester, St. Louis, Mo.  
 Wells, Geo. H., Nashville, Tenn.  
 Whipple, H. S., Elgin, Ill.  
 Wilkeimyer, H., Portsmouth, Ohio.  
 Williams, C. W., Terre Haute, Ind.  
 Wills, E. S., Atchison, Kan.  
 Winegar, W. J., Palatka, Fla.  
 Wirt, R. D., Independence, Mo.  
 Wood, Thos., Sandusky, Ohio.  
 Woodmansee, J. H., Danville, Ill.  
 Woodmansee, Ross, Davenport, Iowa.  
 Woolen, A. L., Franklin, Ind.  
 Zimmermann, W. F., Pittsburgh, Pa.  
 Zion, C. M., Lebanon, Ind.

Council Bluffs, Davenport, Des Moines, Mason City, Muscatine, Sioux City, Waterloo in Iowa; Arkansas City, Atchinson, El Dorado, Emporia, Lawrence, Leavenworth, Parsons, Salina, Wichita and Winfield in Kansas operate the *Thomson-Houston Electric System*. See advertisement, page x.

## WESTERN GAS ASSOCIATION.

## ASSOCIATE MEMBERS.

Adams, C. F., Chicago, Ill.	McKeeby, S., Chicago, Ill.
Babcock, H. C., St. Louis, Mo.	Mayer, J. F., Baltimore, Md.
Birch, T. H., Cincinnati, Ohio.	Merrick, S. V., Philadelphia, Pa.
Bradley, C. D., Chicago, Ill.	Newman, C. V., St. Louis, Mo.
Brashear, John, Cincinnati, Ohio.	Newman, W. A., St. Louis, Mo.
Bredel, Fred., New York, N. Y.	Osius, G., Detroit, Mich.
Brown, E. C., New York, N. Y.	Persons, F. R., Chicago, Ill.
Connelly, T. E., New York, N. Y.	Phillips, J. H., Cincinnati, Ohio.
Cressler, A. D., Fort Wayne, Ind.	Pollock, E. B., Chicago, Ill.
Daniels, Jas., St. Louis, Mo.	Powell, A. W., St. Louis, Mo.
Delano, O. D., St. Louis, Mo.	Powell, H. S., Chicago, Ill.
Dell, John, St. Louis, Mo.	Prentice, A. T., Chicago, Ill.
Dickey, C. H., Baltimore, Md.	Ranshaw, Henry, Cincinnati, Ohio.
Dickey, Geo. S., Chicago, Ill.	Ransom, N. A., Chicago, Ill.
Dickey, P. S., Chicago, Ill.	Randle, C. H., Jackson, Mich.
Down, W. H., New York, N. Y.	Rappleye, N. B., Chicago, Ill.
Fieldhouse, J., Jr., Chicago, Ill.	Reed, Willmer, Burlington, N. J.
Floyd, F. W., New York, N. Y.	Rogers, E. D., Fort Wayne, Ind.
Gartley, W. H., Philadelphia, Pa.	Roots, D. T., Connersville, Ind.
Goodwin, W. W., Philadelphia, Pa.	Russell, D. R., St. Louis, Mo.
Graeff, G. W., Jr., Philadelphia, Pa.	Russell, E. M., St. Louis, Mo.
Green, Jas., St. Louis, Mo.	Russell, T. G., St. Louis, Mo.
Griffin, J. J., Philadelphia, Pa.	Sisson, F. N., Columbus, Ohio.
Guldlin, O. N., Fort Wayne, Ind.	Skinner, J. M., Cincinnati, Ohio.
Harper, H. D., Chicago, Ill.	Smallwood, J. B., Baltimore, Md.
Harris, Joseph A., Philadelphia, Pa.	Smith, Austin N., Cincinnati, Ohio.
Helme, W. E., Philadelphia, Pa.	Stacey, Wm., Cincinnati, Ohio.
Hauk, C. D., Chicago, Ill.	Stannard, A. B., Pittsburgh, Pa.
Hicks, Geo. C., Chicago, Ill.	Starkweather, G. F., Chicago, Ill.
Hogle, M. H., Chicago, Ill.	Stein, E., Philadelphia, Pa.
Hopper, W. H., Philadelphia, Pa.	Stout, John, Chicago, Ill.
Howard, E. T., St. Louis, Mo.	Stratton, S. S., Chicago, Ill.
Howard, L. J., St. Louis, Mo.	Tarvin, R. J., Cincinnati, Ohio.
Howell, W. S., Cincinnati, Ohio.	Thompson, H. C., Spokane Falls, W. T.
Jacobson, C. F., New York, N. Y.	Van Wie, P. G., Cleveland, Ohio.
Jones, S. L., Philadelphia, Pa.	Walker, J. H., Pittsburgh, Pa.
Long, John, Louisville, Ky.	Weaver, H. E., Chicago, Ill.
Loomis, Burdett, Hartford, Conn.	Webster, Hosea, Chicago, Ill.
McClary, N. A., Chicago, Ill.	Wheeler, J. N., Chicago, Ill.
McDonald, Wm., Albany, N. Y.	Wolfe, L. J., Chicago, Ill.
McGuinness, J. W., Columbus, Ohio.	Woolverton, Chas., South Bend, Ind.
McIlhenny, John, Philadelphia, Pa.	Worcester, Edw., St. Louis, Mo.

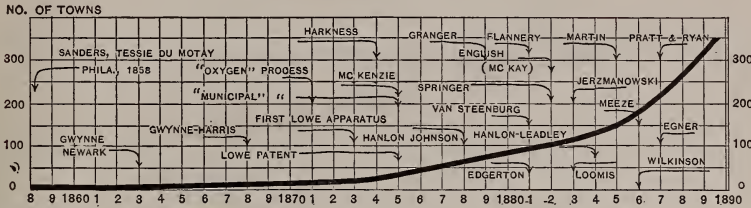
---

Mankato, St. Cloud, St. Paul in Minnesota; Fargo and Grand Forks in North Dakota; Great Falls in Montana; Portsmouth in Nebraska, operate the *Thomson-Houston Electric System*. See advertisement, page x.



# GROWTH OF WATER GAS.

Diagram showing the yearly growth of water gas by number of towns adopting same, and the chronological appearance of the leading forms of apparatus :



Total number of gas towns in America (about).....	1,100
“ that have adopted water gas.....	305
“ water gas plants erected.....	367

These plants, as to special “process” or form of apparatus, subdivided as per proportional table below, viz.:

Lowe	120		
Granger	49		
Springer	45		
McKay-Critchlow	39		
Flannery	12		
Hanlon Leadley	13		
Hanlon-Johnson	9		
Martin	4		
Pratt & Ryan	5		
Evans	2		
Van Steenburgh	8		
Loomis	8		
Allen Harris	3		
Edgerton	5		
Egner	2		
Jerzmanowski	10		
Strong	1		
Salisbury	1		
Meeze	2		
Wilkinson	6		
Tessie du Motay	5		
McKenzie	4		
Harkaess	1		
Rose	1		
Rew	1		
“Home-made”	3		
Unknown (water gas)	8		
	367		

These 367 plants  
sub-divided as to  
GENERAL SYSTEM OF MANUFACTURE,  
show

“Retort processes”.....	9
“Generator processes, Section “A,” such as the Tessie du Motay, etc., method.....	46
Generator processes, Section “B,” or those based upon the Lowe generator superheater principle.....	312
	367

The reliability of the regulating feature of the *Thomson-Houston Dynamos* reduces the attention required to a minimum. See advertisement, page x.

# EXPLANATIONS

—OF—

## Various "Processes" Mentioned in this Work.

For the information of those seeking further knowledge of the methods simply designated by the names of systems following "Process of Manufacture" as used in this work, we give herewith a brief outline of the character of the several principal processes. Such descriptions, however, are of the water gas processes only, as from the great uniformity in the processes of coal and oil gas manufacture no detail description of the differences could be made without an undue elaboration of the subject.

It should be borne in mind that there are three distinct systems of water gas manufacture, viz.:

1st. Generator-superheater type, in which water gas is made, and enriched and fixed all in one apparatus, internally fired.

2d. Generator-retort type, in which water gas is made in internally fired generators, but enriched and the product fixed in a second and separate apparatus (usually retorts internally fired) and in a second operation.

3d. Retort type, in which water gas is made and enriched entirely in special (usually vertical) retorts externally fired.

We give a brief description of the several leading forms of apparatus, arranged alphabetically, as below.

For more extended information we would recommend consulting of *Progressive Age* for Nov. 1st, 1889 (article "Illuminating Water Gas," by Mr. F. H. Shelton), and "Water Gas in the United States," by Alex. C. Humphreys, M. E., published by Progressive Age Publishing Co., 18 Broadway, New York, bound book form, price \$1.00.

### GENERATOR-SUPERHEATER PROCESSES.

#### FLANNERY:

Invention of Joseph Flannery, controlled and built by the Bay State Gas Company of Boston, Mass. Distinctive features are the placing of the generator and superheater in a wrought rectangular shell (in place of the usual cylindrical shells), building the same in pairs, and passing the enriching oil through a long vaporizing retort before admission to the superheater.

First Flannery Works built at Middletown, Pa., in 1881. Since introduced on a large scale in the Standard Gas Light Co.'s Works, New York, Bay State Co., Boston, etc. Total plants erected about fifteen.

#### GRANGER-COLLINS:

Invention of A. O. Granger and Jos. H. Collins, Jr. Controlled and built by The United Gas Improvement Co. of Philadelphia. Distinctive features are the location of the generator below floor level, or in a pit, with superheater laping generator, in order to gain advantages of cupola single shell type of construction, and yet retain complete access to generator, and the introduction of the oil in form of spray under high pressure, at base of superheater. Designed for convenience of operation, small floor space, and chiefly for the use of naphtha. Total plants erected about fifty.

---

Many Gas Companies have adopted the *Thomson-Houston System*, thus indorsing the combination of Gas and Electric Lighting interests. See advertisement, page x.

## HANLON-LEADLEY :

Invention of John Hanlon and———Leadley. Controlled by the United Coal and Oil Gas Co., New York. Distinctive feature is the use of two or three generators on a common connecting base. In making water gas steam is passed down one generator and up the next, and this course reversed the next and alternate runs.

This process has become more or less celebrated through the recent patent right litigation between its promoters and the owners of the Lowe patents, resulting in a victory for the last named parties.

Previously to this some fifteen plants had been erected, the first at Passaic, N. J., in 1884 ; the largest for the Philadelphia Gas Bureau, capacity 6,000,000 per diem.

## LOOMIS :

Invention of Burdett Loomis. Controlled by the Loomis Gas Machinery Co., Philadelphia, Pa. This apparatus as built for illuminating gas, chiefly distinctive in the use of soft coal in generator—with a downward blast or exhaust draught, and peculiar filling of superheater for caring for the soot and ash from the use of soft coal. Built in rectangular wrought shell. First plant erected at Cottage City, Mass., 1886. Since then about six others of this form.

The Loomis system as now pushed by its promoters is for an apparatus chiefly for fuel gas. This form consists of but a simple generator to make "producer gas," and non-illuminating fuel gas. This, if desired for illumination, is afterwards passed through retorts and enriched and fixed, as in the next class of water gas apparatus. A number of plants of this form have been erected, almost entirely, however, for industrial manufacturing purposes, such as mills, iron working establishments, etc.

## LOWE :

Invention of Prof. T. S. C. Lowe. Controlled and built by The United Gas Improvement Co., Philadelphia, Pa. Distinctive features of this process are the use of a generator in connection with a superheating or fixing chamber, fired by the internal combustion of the gases formed in "blowing up" the generator ; also the introduction of oil, or other enriching substances into the hydrogen gas, and the fixing of the two by passage through the superheater ; also the use of the superheater for superheating steam if desired. This process has lately been upheld at length, in the courts, as a base patent process covering the generator-superheater system of water gas manufacture.

The Lowe apparatus has been built in various forms, of one principle, but differing in design and detail. (Double deck, "Gooseneck," Chicago, "Humphreys," Double superheater, etc.) As now built it is perhaps the only apparatus *satisfactorily* handling crude Lima oils, or distillates, etc., for high candle power fixed gas. This type of apparatus is adapted to the largest or smallest works, and has been erected in about 125 throughout the country. First works operated in 1874, in Phoenixville, Pa.

## MCKAY-CRITCHLOW :

Invention of Peter English, but commonly known under the name of McKay-Critchlow, from its use in connection with the patent of that name, for the carbureting of natural gas. Controlled by The United Gas Improvement Co. Distinctive feature is the use of a single vertical shell, with superheater in upper half—generator in lower—separated by solid arch. Gases pass around same, through suitable flues, from generator to superheater. For use to enrich natural gas steam is partially replaced by natural gas, which is decomposed and enriched and fixed, as in making water gas. First plant erected in London, Ont., 1882. Total plants erected about forty.

## MARTIN :

Invention of Thomas Martin. Controlled by Wm. Henry White, New York. Distinctive feature is the introduction of the oil in an expansion of the connection between generator and superheater. Otherwise, almost identical with "Gooseneck" early Lowe form. Four plants of this form have been erected.

---

The *Thomson-Houston Systems* are superior to all others in reliability, economy of operation, and simplicity of construction. See advertisement, page x.



## PRATT &amp; RYAN :

Invention of Messrs. Pratt & Ryan, of Chicago. Controlled by the same. Distinctive feature is the generator and superheater in single vertical shell (as in McKay and Springer), built in pairs, for reversing course of steam in alternate runs, and the introduction of the oil through cored fire brick arches in the superheater. Some five plants have been erected of this form.

## SPRINGER :

Invention of T. G. Springer. Controlled by the National Gas Light and Fuel Co., of Chicago. Principal features are the combination of the generator and superheater in one vertical shell, commonly called the "cupola" form, to conserve floor space and radiation. Later forms of this apparatus are fitted with external flues, etc., to reverse the course of flow of gases through the apparatus. Oil is admitted by steam jet. First plant erected in Chicago, 1882. Total plants erected about fifty, chiefly in the West and Mississippi Valley territory.

## VAN STEENBURGH :

Invention of B. Van Steenburgh, New York, by whom controlled. Distinguishing feature is the use of space above coal in generator for superheater, by interposition of fire brick tile ; or, in other words, making water gas all in one chamber. Adapted for naphtha only. Some dozen plants or so of this form were erected in the Middle States from 1881 to 1885.

## GENERATOR-RETORT SYSTEM.

## EDGERTON :

Invention of H. H. Edgerton, Danbury, Conn., by whom controlled. Distinguishing feature of this process is the use of vertical retorts for the enriching (by the addition of oil), and fixing of water gas, passed through them ; which retorts are externally fired by the gases formed in blowing up the generator for making the water gas. Some four or five plants have been erected of this form.

## EVANS :

Hardly a distinct process, but rather a combination of coal and water gas apparatus. Coal is carbonized in an ordinary bench of retorts. The coke when withdrawn is charged into generators, located near by, in which non-luminous water gas is made. The mixture of water gas and coal gas is practically non-luminous, and is sold for fuel gas. When desired for illumination an incandescent burner is necessary. This "process" is in use in but one or two places only.

## JERZMANOWSKI :

Invention of E. J. Jerzmanowski. Controlled by U. S. Equitable Co., New York City. This system is, strictly speaking, a cross between this and the preceding type of water gas manufacture, as the primary generating apparatus consists of a generator and fixing chamber (filled with limestone) with blasts, steam and oil inlets, as in the Lowe process. In this a gas of moderate candle power is made, which is afterwards led off, passed over oil vapors, and finally fixed by passing through retorts externally fired. This process is in use on a large scale in New York, Chicago, Baltimore, etc. Limited to the use of naphtha, and best adapted to large works.

## MEEZE :

Invention of ——— Meeze, of England. Controlled by the International Gas Co., New York. In this system non-luminous water gas is made in generators, independently—as in all of this class. Oil gas is made separately in retorts of peculiar construction, and the water gas admixed with same, at that point, or beyond. This process has been introduced in some three or four works only.

---

Every user of the *Thomson-Houston System* testifies that it has no superior in the market. See advertisement, page x.

#### TESSIE DU MOTAY :

Invention of M. Tessie du Motay, of France. Controlled and built by the Continental Iron Works, Brooklyn, N. Y. Distinguishing features of this process are the making of a non-luminous water gas in generators (gasogenes) which is afterwards passed over oil vapors, and thence through retorts for fixing. This while making an excellent and uniform grade, limits to the use of naphtha or other volatile oils—a disadvantage as compared with the use of crude Lima oils, at the present day. This process sometimes called the "Municipal," from its first use by the company of that name in New York in 1875, is best adapted to large works. It is in use in New York, Brooklyn and three or four other points.

#### WILKINSON :

Invention of Dr. Wilkinson. Controlled and built by Bartlett, Hayward & Co., Baltimore, Md. This is practically like the preceding process, except that the generators are so constructed that water gas is made up or down, through the coal bed, at will. This gas passes through scrubbers, illuminator, meter and benches, etc., for fixing, as the preceding, and likewise cannot use Lima or other heavy oils successfully. First plant erected in the Mutual Co.'s Works, New York, and later in some three or four others.

### RETORT PROCESSES.

#### ALLEN-HARRIS :

Invention of W. A. Gwynne and G. W. Harris. Controlled by the National Gas Improvement Co., New York. Distinguishing feature in this, which is typical of its class, is an externally fired vertical retort, filled with carbon, through which steam is passed and decomposed. This is afterwards passed, with the addition of oil for enriching, through other retorts for fixing. This is one of the earliest of water gas processes, dating back to 1868. Some six or eight plants have been erected, about half of which are in operation.

#### JERZMANOWSKI "Baby" process :

Invention of ————— Controlled by U. S. Equitable Co. of New York. Distinguishing feature is the use of a "boot leg" shaped retort, externally fired, filled with limestone, or other refractory fixing substances, through which steam and oil are forced, decomposed into an illuminating water gas. This process has been introduced in some four or five works within the past four years.

---

The Portsmouth N. H., Gas Company says : "Nothing better than the *Thomson-Houston*." See advertisement, page x.

## GAS COMPANIES IN AMERICA OPERATING ELECTRIC LIGHTS.

### ALABAMA.

CITY.	COMPANY.	SYSTEM.	TOTAL.	
			NO. LAMPS.	
Birmingham,	Birmingham Gas and Electric Light Co.,	Thomson-Houston,	ARC. 370	INC. 1600
Montgomery,	Montgomery Light Co.,	Brush, Westinghouse.	200	1500
Selma,	Selma Gas and Electric Light Co.,	Thomson-Houston,	75	

### ARKANSAS.

Fort Smith,	Fort Smith Gas Light Co.,	Van Depoele, United States,	60	400
Little Rock,	Pulaski Gas Light Co.,	Brush, Westinghouse,	80	1000
Pine Bluff,	Pine Bluff Gas Co.,	Van Depoele,	40	
Texarkana,	Gas and Electric Light Co.,	Van Deoeple, Westinghouse and United States,	60	1150

### CALIFORNIA.

Benicia,	Benicia Gas Co.,	Waterhouse,	9	
Chico,	Chico Gas and Electric Light Co.,	Westinghouse,	65	
Fresno,	Fresno Gas and Electric Light Co.,	Thomson-Houston,	140	650
Grass Valley,	Grass Valley Gas Co.,	Waterhouse, Bernstein,	32	140
Maysville,	Maysville Coal Gas Co.,	Brush,	60	
Merced,	Merced Gas Light Co.,	Heisler,		250
Oakland,	Oakland Gas Light and Heat Co.,	Thomson-Houston, Westinghouse,	750	1300
Red Bluff,	Red Bluff Gas Co.,	Brush,	56	
Sacramento,	Capital Gas Co.,	Thomson-Houston, Brush	300	
Salinas City,	Gas and Water Co.,	Thomson-Houston,	21	
San Bernardino,	San Bernardino Gas Light Co.,	Ft. Wayne, Westinghouse,	160	—
Santa Barbara,	Santa Barbara Gas Light Co.,	Thomson-Houston,	125	
San Diego,	San Diego Gas and Electric Light Co.,	Ft. Wayne and Brush,	275	
San Jose,	San Jose Light and Power Co.,	Brush,	270	1000
San Rafael,	San Rafael Gas and Electric Light Co.,	Brush,	37	
Santa Rosa,	Santa Rosa Gas Light Co.,	Thomson-Houston,	95	300
Stockton,	Stockton Gas Light and Heat Co.,	Ft. Wayne, Slattery,	152	400
Visalia,	Visalia Gas and Electric Light Co.,	Western Electric,		

The *Thomson-Houston Street System* is the only complete and perfect system of Street Lighting by Incandescent Lamp. See advertisement, page x.



## CALIFORNIA—Continued.

CITY.	COMPANY.	SYSTEM.	TOTAL NO. LAMPS. ARC. INC.
Woodland,	Consolidated Electric Light and Gas Co.,	Thomson-Houston,	90
Yreka,	Yreka Gas Light Co.,	Thomson-Houston,	90

## COLORADO.

Monte Vista,	Electric and Gas Light Co.	Edison,	400
Pueblo,	Pueblo Gas and Elec- tric Light Co.,	Thomson-Houston, Heisler	300 1400
Trinidad,	Trinidad Gas and Coke Co.,	Thomson-Houston,	100

## CONNECTICUT.

Birmingham,	Derby Gas Co.,	Thomson-Houston,	130	250
Danbury,	Danbury and Bethel Gas and Electric Light Co.,	Schuyler,	85	
Danielsonville,	Killingly Electric Light Co.,	Ball,	31	
Norwalk,	Norwalk Gas Light Co.,	Ball,	110	
Meriden,	Meriden Gas Co.,	American, Thomson-Houston,	150 324	
Putnam,	Putnam Light and Power Co.,	Thomson-Houston,	45	250
Winsted,	Winsted Gas Light Co.,	Brush, United States,	50 500	

## FLORIDA.

Key West,	Key West Gas and Electric Light Co.			
Jacksonville,	Citizens' Gas Light Co.,	Thomson-Houston,	200	1300

## GEORGIA.

Americus,	Light and Power Co.,	Thomson-Houston,	50	600
Athens,	Gas Light and Elec- tric Co.,	Thomson-Houston,	100	1300
Brunswick,	Light and Water Co.,	Thomson-Houston,	110	
Macon,	Gas Light and Water Co.,	Thomson-Houston,	150	525
Rome,	Rome Gas Co.,	Thomson-Houston,	50	105

## ILLINOIS.

Alton,	Alton Gas and Electric Light Co.,	American,	100	
Belleville,	Gas Light & Coke Co.,	Brush,	10	
Bloomington,	Citizens' Gas Light & Heating Co.,	Westinghouse,	35	750
Cairo,	Cairo City Gas Light Co.,	Thomson-Houston,	100	
Canton,	People's Gas & Electric Light Co.,	Thomson-Houston,	50	
Decatur,	Decatur Gas Light and Coke Co.,	Fort Wayne and United States, Edison, Westing- house and U. S.,	70 2600	

The *Thomson-Houston System* gives a greater amount of light for a given expenditure of energy than any other system. See advertisement, page x.

## ILLINOIS—Continued.

CITY.	COMPANY.	SYSTEM.	TOTAL NO. LAMPS. ARC. INC.
Freeport,	Freeport Gas Light & Coke Co.,	Thomson-Houston,	100
Galesburg,	Galesburg Gas Light and Coke Co.,	Thomson-Houston,	275
		Westinghouse,	500
Jacksonville,	Jacksonville Gas Light and Coke Co.,	Thomson-Houston,	112
Jerseyville,	Electric Light, Gas & Power Co.,	Edison,	600
La Salle,	Twin City Gas and Electric Light Co.,	Thomson-Houston,	50
		United States,	500
Lincoln,	Lincoln Gas and Electric Light Co.,	Van Depoele,	40
Moline,	People's Gas Light and Fuel M'fg Co.,	United States and Westinghouse,	3000
Paris,	Gas Light & Coke Co.,	Edison,	850
Peoria,	Gas Light & Coke Co.,	Thomson-Houston,	340
Quincy,	Quincy Gas Light and Coke Co.,	Thomson-Houston,	220
			500
Sparta,	Sparta Natural Gas & Oil Co.,	Western,	10
Sterling,	Gas and Electric Light Co.,	Van Depoele,	30
		Westinghouse,	200

## INDIANA.

Columbus,	Citizens' Electric Light Co., owned by Gas Co.,	Thomson-Houston,	50
		American,	50
Crawfordsville,	Crawfordsville Gas & Electric Light Co.,	Thomson-Houston,	130
Evansville,	Evansville Gas and Electric Light Co.,	Brush,	300
		Westinghouse,	2000
Greensburg,	Gas Electric Light and Motor Co.,	Ft. Wayne	40
Huntington,	Gas Light & Fuel Co.,	Thomson-Houston,	85
Lafayette,	Lafayette Gas Light Co.,	Thomson-Houston,	150
New Albany,	New Albany Gas Light Co.,	American,	52
Richmond,	Richmond Gas Co.,	Thomson-Houston,	40
Seymour,	Gas Light and Coke Co.,	Waterhouse,	34
Valparaiso,	Valparaiso Gas, Electric Light and Fuel Co.,	Western Electric,	52
Washington,	Washington Gas and Electric Light Co.,	Waterhouse,	35

## IOWA.

Council Bluffs	Gas and Electric Light Co.,	Thomson-Houston,	250
Davenport,	Davenport Gas Light Co.,	Ft. Wayne,	100
		Edison and Thomson-Houston,	800

The constantly increasing use of the *Thomson-Houston Alternating Current* apparatus proves its superiority.

## IOWA—Continued.

CITY.	COMPANY.	SYSTEM.	TOTAL NO. LAMPS. ARC. INC.	
Des Moines	Capital City Gas Light Co.,	Thomson-Houston,	235	1500
Fairfield,	Fairfield Gas Co.,	Brush,	25	
Iowa City,	Iowa City Gas Light Co.,	Western,	15	
Mason City,	Mason City Gas and Electric Light Co.,	Thomson-Houston,	25	300
Muscatine,	Muscatine Gas, Electric Light and Power Co.,	Thomson-Houston,	27	650
Oskaloosa,	Oskaloosa Gas Light Co.,	Ft. Wayne.	27	
Sioux City,	Sioux City Gas Co.,	Thomson-Houston,	146	1400
Waterloo,	Waterloo Gas and Electric Light Co.,	Brush,	90	
		Thomson-Houston,		300

## KANSAS.

Arkansas City,	Arkansas City Gas and Electric Co.,	Thomson-Houston,	73	500
		Westinghouse,		
Atchison,	Atchison Gas Light Co.,	Thomson-Houston,	175	650
Eldorado,	Eldorado Gas Co.,	Thomson-Houston,	35	
Emporia,	Emporia Gas and Electric Light Co.,	Thomson-Houston,	80	600
		Westinghouse,		
Lawrence,	Lawrence Gas, Fuel and Electric Light Co.,	Thomson-Houston,	70	450
		Edison,		
Leavenworth,	Leavenworth Gas Light Co.,	Thomson-Houston,	125	800
		Heisler,		
Parsons,	Parsons Light and Heat Co.,	Thomson-Houston,	35	
Pittsburg,	Gas Light and Coke Co.,	Ft. Wayne,	50	500
Salina,	Salina Gas and Electric Light Co.,	Thomson-Houston,	20	
		Westinghouse,		650
Winfield,	Winfield Gas Co.,	Thomson-Houston,	35	
Wichita,	Wichita Gas, Electric Light and Power Co.,	Thomson-Houston,	120	

## KENTUCKY.

Frankfort,	Capital Gas and Electric Light Co.,	Western,	150	
Newport,	Newport Light Co.,	Ball,	50	
Paducah,	Paducah Gas Light Co.,	Brush,	45	500
		Westinghouse,		

## LOUISIANA.

Shreveport,	Gas, Electric Light and Power Co.,	Van Depoele,	60	650
		Westinghouse,		

54% of the arc lamps used by gas companies and 25% of the entire number used in the United States are of *Thomson-Houston* manufacture.



## MAINE.

CITY.	COMPANY.	SYSTEM.	TOTAL NO. LAMPS. ARC. INC.
Augusta,	Kennebec Light and Heat Co.,	Brush, Thomson-Houston,	120 1500
Calais,	St. Croix Gas Light Co.,	Brush,	66
Eastport,	Gas and Electric Co.,	Thomson-Houston,	24 800

## MARYLAND.

Easton,	Gas and Electric Light Co.,	Westinghouse,	550
---------	--------------------------------	---------------	-----

## MASSACHUSETTS.

Amherst,	Amherst Gas Co.,	Westinghouse,	1000
Athol,	Miller's River Gas Light Co.,	Thomson-Houston,	25 23
Beverly,	Beverly Gas Light Co.,	Thomson-Houston,	35
Brookline,	Brookline Gas Co.,	Thomson-Houston,	270 700
Boston,	Charlestown Gas Co.,	Brush,	145 109
Chelsea,	Chelsea Gas Light Co.,	Thomson-Houston,	200 400

## MASSACHUSETTS.

Chicopee,	Chicopee Gas Works,	Thomson-Houston,	45
Fitchburg,	Fitchburg Gas Co.,	Thomson-Houston,	161 100
Clinton,	Clinton Gas Light Co.,	Schuyler,	80
		Thomson-Houston,	600
Cottage City,	Cottage City Gas Light Co.,	Ball,	60
Easthampton,	Easthampton Gas Light Co.,	Waterhouse,	28
Holyoke,	Holyoke Gas Works,	Schuyler,	350
		Edison,	1000
Lawrence,	Lawrence Gas Co.,	Thomson-Houston,	150
Lee,	Lee Gas Light Co.,	Thomson-Houston,	300
Lynn,	Lynn Gas and Electric Co.,	Thomson-Houston,	300 2000
Middleboro,	Gas and Electric Light Co.,	Westinghouse,	21
New Bedford,	New Bedford Gas Light Co.,	Thomson-Houston,	250
		Westinghouse,	5000
Newburyport,	Gas and Electric Light Co.,	Thomson-Houston,	125 500
Newton,	Newton and Water- town Gas Light Co.,	Thomson-Houston,	90 2000
North Adams,	North Adams Gas Light Co.,	Thomson-Houston,	50 275
Stoughton,	Stoughton Light and Power Co.,	Ball,	50
Southbridge,	Mutual Gas Light Co.,	Thomson-Houston,	85 500
Spencer,	Spencer Gas Co.,	Ball,	65
Waltham,	Waltham Gas Light Co.,	Thomson-Houston,	245 1050
Ware,	Ware Gas Light Co.,	Thomson-Houston,	180
Westfield,	Westfield Gas Light Co.,	Schuyler,	85
		Thomson-Houston,	325
Webster,	Webster Gas Light Co.,	Thomson-Houston,	80 500

The self regulating features of the *Thomson-Houston Dynamo* render it the most economical machine before the public.

## MICHIGAN.

CITY.	COMPANY.	SYSTEM.	TOTAL NO. LAMPS. ARC. INC.
Alpena, Coldwater,	Alpena Gas Co., Coldwater Gas Light Co.,	Brush	80
Greenville, Hillsdale,	Greenville Gas Works, Hillsdale Gas Co.,	Western, Ft. Wayne, Thomson-Houston,	95 14 80
Lansing, Luddington, Manistee,	Lansing Gas Light Co., Luddington Gas Co., Manistee Gas Light and Coke Co.,	Westinghouse, Thomson-Houston, Brush,	750 800 100
Sturgis,	Gas and Electric Light Co.,	United States, Edison,	432 600

## MINNESOTA.

Fergus Falls,	Fergus Falls Gas and Electric Co.,	Heisler,	350
Mankato,	Mankato Gas Light Co.,	Thomson-Houston, Heisler, & T.-H.,	60 1350
Red Wing,	Red Wing Gas Light Co.,	Ft. Wayne, Westinghouse,	20 450
St. Cloud,	St. Cloud Gas and Electric Light Co.,	Thomson-Houston, Westinghouse,	80 650
St. Paul,	St. Paul Gas Light Co.,	Thomson-Houston, Westinghouse,	700 4000
Stillwater,	Stillwater Gas and Elec- tric Light Co.,	Excelsior, Westinghouse,	55 250

## MISSISSIPPI.

Jackson,	Jackson Gas Light Co.,	Ft. Wayne,	60	100
Natchez,	Natchez Gas Light Co.,	Thomson-Houston,	80	

## MISSOURI.

Chillicothe,	Gas, Water and Elec- tric Light Co.,	Sperry, Western,	52 86	
Jefferson City,	Light, Heat and Power Co.,	Excelsior,	30	
Louisiana, Nevada,	Carbon Light Co., Gas and Electric Light Co.,	Thomson-Houston,	30	30
Sedalia,	Sedalia Gas Light Co.,	Thomson-Houston, Westinghouse,	65 100	750
Springfield,	Springfield Gas Light Co.,	Thomson-Houston, United States,	150 250	

## MONTANA.

Great Falls,	Electric Light and Gas Co.,	Thomson-Houston,	50	650
--------------	--------------------------------	------------------	----	-----

## NEBRASKA.

Fremont,	Fremont Gas and Elec- tric Light Co.,	American, Westinghouse,	35	400
Plattsmouth,	Gas and Electric Light Co.,	Thomson-Houston,	15	500

The use of the *Thomson-Houston Alternating Current System* renders it possible to cover a great area at less expense of installation and maintenance than can be accomplished by any other system. See advertisement, page x.

## NEVADA.

CITY.	COMPANY.	SYSTEM.	TOTAL NO. LAMPS. ARC. INC.
Carson City,	Carson City Coal Gas Co.,	Brush,	30

## NEW HAMPSHIRE.

Concord,	Concord Gas Light Co.,	Thomson-Houston,	171
Keene,	Keene Gas Light Co.,	Thomson-Houston,	75
Manchester,	People's Gas Light Co.,	Thomson-Houston,	60
Nashua,	Light, Heat and Power Co.,	Thomson-Houston,	250
Portsmouth,	Portsmouth Gas Light Co.,	Thomson-Houston,	120

## NEW JERSEY.

Atlantic City,	Atlantic City Gas and Water Co.,	Thomson Houston,	200
Freehold,	Freehold Gas Light Co.,	Edison,	400
Long Branch,	Long Branch Gas Light Co.,	Thomson-Houston,	100
Sea Isle City,	Gas, Water and Sewer- age Co.,	Edison,	2000
Woodbury,	Consumers' Gas Co.,	Thomson-Houston,	46

## NEW YORK.

Batavia.	Batavia Gas Light Co.,	Brush,	42
Binghamton,	Binghamton Gas and Electric Light Co.,	Brush,	65
		Westinghouse,	2700
Brockport,	Brockport Gas Light Co.,	Thomson-Houston,	50
Canandaigua,	Canandaigua Gas Light Co.,	Thomson-Houston,	100
Clifton Springs,	Sanitarium Coal Gas Works,	Fuller,	10
Cohoes,	Cohoes Gas Light Co.,	Thomson-Houston,	60
		Ft. Wayne,	60
		Remington,	20
Cooperstown,	Light and Power Co.,	Edison,	1400
Cortland,	Homer and Cortland Gas Light Co.,	Sperry,	60
Elmira,	Gas and Illuminating Co.,	Schuyler,	200
Fort Plain,	Gas and Electric Light Co.,	Thomson-Houston,	100
Glen Falls,	Glen Falls Gas Light Co.,	American, Bernstein,	100
			75
Greenbush,	East Albany Gas Light Co.,	Westinghouse,	175
Hempstead,	Hempstead Gas Light Co.,	Thomson-Houston,	250
Hudson,	Hudson Light and Power Co.,	Thomson-Houston,	122
Le Roy,	Le Roy Gas Light Co.,	Edison,	300
Little Falls,	Little Falls Gas Light Co.,	Edison,	900
Lockport,	Lockport Gas Light Co.,	Brush, Edison,	65
			626

The excellence of design, the quality of the material used, and the care exercised in the manufacture of the *Thomson-Houston Alternating Current Dynamo* make it the most durable and reliable dynamo on the market. See advertisement, page x.



## NEW YORK—Continued.

CITY.	COMPANY.	SYSTEM.	TOTAL	
			NO. LAMPS.	ARC. INC.
Norwich,	Light and Power Co.,	Schuyler,	35	
		Westinghouse,		700
Ogdensburg,	Ogdensburg Gas and			
	Electric Light Co.,	American,	120	
Oneonta,	Oneonta Electric Light			
	and Power Co.,	American,	44	
		Westinghouse,		800
Oswego,	Oswego Gas Light Co.,	Thomson-Houston,	40	
		Edison,		300
Plattsburgh,	Light, Heat and Power			
	Co.,	Hochhausen,	70	
		Westinghouse,		1200
Rome,	Rome Gas and Elec-			
	tric Light Co.,	Thomson-Houston,	200	250
Saratoga Springs,	Saratoga Springs Gas			
	and Electric Light			
	Co.,	American,	150	175
Schenectady,	Schenectady Gas Light			
	Co.,	American,	31	
		Remington,	109	
Tarrytown,	Union Gas Light Co.,	Thomson-Houston,		650
Utica,	Equitable Gas and			
	Electric Co.,	Thomson-Houston,	200	200
White Plains,	White Plains Gas			
	Light Co.,	Thomson-Houston,	30	

## NORTH CAROLINA.

Charlotte,	Charlotte Gas Light			
	Co.,	Thomson-Houston,	100	
		Ft. Wayne,		450
Greensboro,	Greensboro Gas and			
	Electric Light Co.,	Thomson-Houston,	50	
Henderson,	Henderson Electric			
	and Gas Light Co.,	Thomson-Houston,	50	51
Raleigh,	Raleigh Gas Light Co.,	Thomson-Houston,	122	
Wilmington,	Wilmington Gas Light			
	Co.,	Thomson-Houston,	80	650

## NORTH DAKOTA.

Fargo,	Gas and Electric Co.,	Brush,	42	
		Thomson-Houston,		1000
Grand Forks,	Gas and Electric Co.,	Brush,	23	
		Thomson-Houston,		500

## OHIO.

Alliance,	Alliance Gas and			
	Electric Light Co.,	Western Electric,	70	
Athens,	Gas Light and Electric			
	Co.,	Thomson-Houston,	42	
Barnesville.	Gas Light and Coke			
	Co.,	Fort Wayne,		105
Bellaire,	Gas and Electric Co.,	Thomson-Houston,	40	
Bucyrus,	Bucyrus Gas Light			
	and Fuel Co.,	Western Electric,	83	
Chillicothe,	Chillicothe Gas and			
	Water Co.,	Brush,	135	
		United States,		250
Cincinnati,	Cincinnati Gas Light			
	and Coke Co.,	Ft. Wayne,	500	3000
Columbus,	Columbus Gas Light			
	and Coke Co.,	Westinghouse,		2600

In the manufacture of *Thomson-Houston* apparatus the same superior qualities are found in the minor appliances as in the larger and more important apparatus. See advertisement, page x.

## OHIO—Continued.

CITY.	COMPANY.	SYSTEM.	TOTAL	
			NO. LAMPS.	ARC. INC.
Coshocton,	Light, Fuel and Power Co.,	Ft. Wayne,	150	
Fostoria,	Light and Power Co.,	Brush,	65	
Hamilton,	Hamilton Gas Light and Coke Co.,	Thomson-Houston,	50	
Hillsboro,	Hillsboro Gas and Electric Light Co.,	Thomson-Houston,	62	
Lebanon,	Light, Fuel and Power Co.,	Ft. Wayne,		600
Mansfield,	Mansfield Gas Light Co.,	Weston,	108	
Middletown,	Middletown Gas Co.,	Sperry Edison,	48	800
Newark,	Newark Gas Light and Coke Co.,	United States,	50	
New Phila.,	New Phila. Gas Light Co.,	Thomson-Houston,	100	
Portsmouth,	Gas and Electric Co.,	Ball,	70	
Ravenna,	Gas and Electric Light Co.,	Thomson-Houston,	50	
Salem,	Salem Gas Light Co.,	Westinghouse,		200
Sandusky,	Sandusky Gas Light Co.,	Brush,	200	
		Westinghouse,		1000
Sidney,	Sidney Gas Light Co.,	Ft. Wayne,	30	
Tiffin,	Tiffin Gas Light Co.,	Western,	150	
Washington,	Washington Gas Light Co.,	Thomson-Houston,	100	
Youngstown,	Youngstown Gas Co.,	Thomson-Houston,	297	

## PENNSYLVANIA.

Ashland,	Ashland Gas Light Co.,	Thomson-Houston,	43	
Braddock,	Braddock Gas Light Co.,	Westinghouse,		700
Carlisle,	Gas and Water Co.,	American,	100	
Danville,	Consumers Gas Co.,	Thomson-Houston,		1300
		American,	100	
		Excelsior,	60	
		Ft. Wayne,		500
Lock Haven,	Lock Haven Gas Co.,	Thomson-Houston,	75	
McKeesport,	McKeesport Gas Co.,	Thomson-Houston,	75	
Mahanoy City,	Mahanoy City Gas Co.,	Thomson-Houston,	75	
Norristown,	Norristown Gas Co.,	Thomson-Houston,	75	
Phillipsburg,	Electric Light, Gas, Power and Heat Co.,	United States,	25	600
Plymouth,	Plymouth Gas Co.,	Excelsior,	60	30
Pottsville,	Pottsville Gas Light Co.,	Schuyler,	85	
		Westinghouse,		1500
Scranton,	Gas and Water Co.,	Brush,	604	
Shenandoah,	Shenandoah Gas Light Co.,	Thomson-Houston,	100	
Warren,	Warren Gas Light Co.,	Thomson-Houston,	30	

## RHODE ISLAND.

Pawtucket,	Pawtucket Gas and Electric Light Co.,	Thomson-Houston,	425	1700
------------	---------------------------------------	------------------	-----	------

The *Thomson-Houston System* of Electric Lighting and Power are complete in every detail. See advertisement, page x.

## RHODE ISLAND—Continued.

CITY.	COMPANY.	SYSTEM.	TOTAL	
			NO. LAMPS ARC.	INC.
Westerly,	Gas and Electric Light Co.,	Thomson-Houston,	60	950
Woonsocket,	Woonsocket Gas Co.,	Brush,	50	

## SOUTH CAROLINA.

Charleston,	Charleston Ligat and Power Co.,	Thomson-Houston,	200	1500
Columbia,	Congaree Gas and Electric Light Co.,	Thomson-Houston,	20	100
Greenville,	Greenville Gas and Electric Light Co.,	Thomson-Houston,	18	

## SOUTH DAKOTA.

Rapid City,	Dakota Gas and Elec- tric Co.,	Thomson-Houston,	45	
Watertown,	Heating, Power and Light Co.,	Thomson-Houston,	25	350

## TENNESSEE.

Jackson,	Citizens' Gas Light Co.,	American,	100	
Union City,	Beck, Bransford & Co.,	Ft. Wayne,		450

## TEXAS.

Dallas,	Dallas City Gas Light Co.,	Thomson-Houston,	100	
Denison,	Light and Power Co.,	Edison, Van Depoele, Westinghouse,	100	1000 1500

## TEXAS.

Ft. Worth,	Light & Power Co.,	Waterhouse, Westinghouse,	75	2000
Gainesville,	Light and Fuel Co.,	Van Depoele, Westinghouse,	60	650
Galveston,	Galveston Gas Co.,	Brush, Westinghouse,	43	1300
Houston,	Houston Gas Light Co.,	United States, Westinghouse,	50	1500 650
Marshall, Paris,	Light & Power Co., Paris Gas and Electric Light Co.,	Ft. Wayne, Brush,	60 210	
San Antonio, Waco,	San Antonio Gas Co., Waco Gas Co.,	Ft. Wayne, Westinghouse,	110	500

## UTAH TERRITORY.

Salt Lake City,	Salt Lake City Gas Co.,	Brush, Heisler,	200	340
-----------------	-------------------------	--------------------	-----	-----

## VERMONT.

Brattleboro,	Brattleboro Gas Light Co.,	Thomson-Houston,	30	
Burlington,	Burlington Gas Light Co.,	Brush, Westinghouse,	170	250

Power users should investigate the *Thomson-Houston* generators and motors. They are unequalled. See advertisement, page x.



## VIRGINIA.

CITY.	COMPANY.	SYSTEM.	TOTAL	
			NO. LAMPS.	ARC. INC.
Alexandria,	Alexandria Gas Light Co.,	Schuyler,	90	
Danville,	Danville Gas Works,	Thomson-Houston,	82	25
Norfolk,	City Gas Light Co.,	Thomson-Houston,	130	100
Portsmouth,	Portsmouth Gas Co.,	American,	70	
Winchester,	Winchester Gas Co.,	Schuyler,	56	

## WASHINGTON.

Olympia,	Olympia Gas and Electric Light Co.,	Thomson-Houston,	30	
Seattle,	Seattle Gas and Electric Light Co.,	Thomson-Houston,		115
Tacoma,	Tacoma Light and Water Co.,	Thomson-Houston,	350	
		American,	150	
		Edison,		160
		Westinghouse,		750
Walla Walla,	Walla Walla Gas Co.,	American,	85	

## WISCONSIN.

Ashland,	Ashland Lighting Co.,	Thomson-Houston,	40	150
		Brush,	40	
Eau Claire,	Eau Claire Gas Co.,	Brush,	128	
		National,		1000
Fon du Lac,	Fon du Lac Gas Co.,	Brush,	40	
Green Bay,	Green Bay Gas Light Co.,	Western,	77	
La Crosse,	La Crosse Gas Light Co.,	Brush,	130	
Marinette,	Marinette Gas Light Co.,	Brush,	60	100
Neenah,	Neenah and Menasha Gas & Electric Co.,	Thomson-Houston,	20	
		Brush,	25	
		Edison,		500
Oshkosh,	Oshkosh Gas Light Co.,	Brush,	90	
Racine,	Racine Gas Co.,	Brush,	150	
Stevens Point,	Stevens Point Gas Co.,	Brush,	40	50
Superior,	Water, Light & Power Co.,	Thomson-Houston,	275	
		Westinghouse,		1200
Waukesha,	American Gas Co.,	United States,		700

## WYOMING.

Cheyenne,	City Gas Light Co.,	Brush,	150	
		Brush,		3000

## DOMINION OF CANADA.

## MANITOBA.

Winnipeg,	Manitoba Electric and Gas Light Co.,	Thomson-Houston,	75	1400
		Weston,	30	

---

The use of the *Thomson-Houston Arc Dynamo* permits the operation of Arc and Incandescent Lamps upon the same circuit and from the same dynamo. See advertisement, page x.

## NEW BRUNSWICK.

CITY.	COMPANY.	SYSTEM.	TOTAL NO. LIGHTS. ARC. INC.	
Fredericton,	Fredericton Gas Light Co.,	Waterhouse, Ball,	74	
			46	
Moncton,	Moncton Gas Light & Water Co.,	Thomson-Houston,	96	600
St. Johns,	St. Johns Gas Light Co.,	Thomson-Houston,	260	

## NOVA SCOTIA.

Halifax,	Halifax Gas Light Co.,	American, Ft. Wayne,	100	1950
Windsor,	Windsor Gas Co.,	Thomson-Houston,	40	
		United States,	40	

## PROVINCE OF ONTARIO.

Barrie,	Barrie Gas Co.,	Ball,	50	
Belleville,	Belleville Gas Co.,	Ball,	90	
Berlin,	Berlin Gas Co.,	Ball,	50	
Brockville,	Brockville Gas Light Co.,	Ball,	30	6
		Reliance,	30	
Chatham,	Chatham Gas Co.,	Ball, Brush and Thomson-Houston,	85	
Guelph,	Guelph Gas Co.,	Ball,	60	
		Thomson-Houston,	400	500
Ottawa,	Ottawa Gas Co.,	Thomson-Houston,	400	
Owen Sound,	Owen Sound Gas Light Co.,	Thomson-Houston,	80	
Stratford,	Stratford Gas Co.,	Ball,	120	
St. Thomas,	St. Thomas Gas Co.,	Thomson-Houston,	54	
Windsor,	Windsor Gas Co.,	Thomson-Houston,	80	

## PROVINCE OF QUEBEC.

St. Hyacinthe,	The Electric Light and Gas Co.,	Thomson-Houston,	23	100
Sherbrooke,	Sherbrooke Gas and Water Co.,	Thomson-Houston,	80	500
		Ball,	55	
		Edison,		300

## MEXICO.

City of Mexico,	Mexican Gas and Elec- tric Light Co.,	Brush,	1000	
Total lamps,			31,558	132,771

Number of Companies, 304.

---

The *Thomson-Houston System* of Incandescent Lighting is superior to all others. See advertisement, page x.

# Electric Lighting by Gas Companies.

The following table is a summary of the list of gas companies operating electric lights, printed on pages 172 to 183 of this book. Compared with the figures of a year ago the showing is:

	1889.	1890.
Number of gas companies operating electric lights.....	266....	304
Number of different electric light systems used.....	21....	23
Number of arc lights operated.....	21,313....	31,558
Number of incandescent lights operated.....	55,890....	132,771
SYSTEM.	ARC.	INC.
Thomson-Houston.....	16,927....	45,055
Brush.....	6,090....	4,259
Westinghouse.....	321....	49,967
Edison.....	.....	13,853
American.....	1,537....	175
United States.....	632....	6,141
Schuyler.....	1,066....	
Ball.....	962....	6
Western Electric.....	788....	
Fort Wayne.....	1,756....	7,655
Van Depoele.....	450....	
Waterhouse.....	287....	
Heisler.....	.....	3,815
Remington.....	129....	
Sperry.....	160....	
Excelsior.....	205....	30
Hochhausen.....	70....	
Weston.....	138....	
Fuller.....	10....	
Reliance.....	30....	
National.....	.....	1,000
Slattery.....	.....	400
Bernstein.....	.....	215
Total.....	31,558	132,771

The *Thomson-Houston Dynamo* for Arc Lighting is automatic in action and economical in operation and superior to all others. See advertisement, page x.

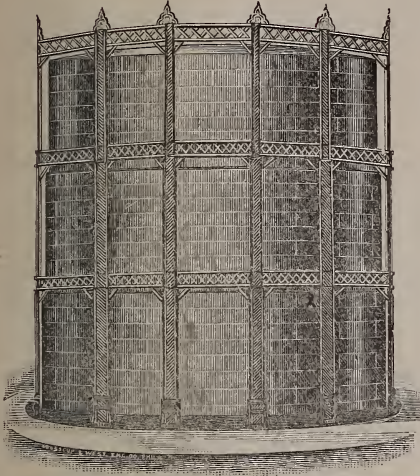


# MORRIS, TASKER & Co., INCORPORATED.

## PHILADELPHIA, PA.

ESTABLISHED 1821.

**GAS WORKS, AND WATER WORKS MACHINERY,**



**GAS HOLDERS,  
IRON AND STEEL GAS HOLDER TANKS,  
BENCH CASTINGS, CONDENSERS,  
SCRUBBERS, PURIFIERS,  
IMPROVED HYD. CARRIAGES,  
IRON ROOFS AND FLOORS,  
SELF SEALING RETORT LIDS,  
STAMPED LIDS,  
WATER AND OIL TANKS,  
ALL KINDS OF STRUCTURAL  
IRON WORK.**



**STAND PIPES,  
WATER AND GAS VALVES,  
WROUGHT IRON PIPE.  
FIRE PLUGS,  
LOCOMOTIVE WATER COLUMNS,  
CAST AND WROUGHT  
FITTINGS AND TOOLS.  
PLANS, SPECIFICATIONS AND  
ESTIMATES FOR ALL KINDS OF  
MACHINERY, FURNISHED  
ON APPLICATION.**

**WORKS:** { PASCAL IRON WORKS, PHILA., PA.  
              { DELAWARE IRON WORKS, NEW CASTLE, DEL.

**OFFICE:** { 222 SOUTH 3d STREET, PHILA., PA.

THE  
**WESTINGHOUSE ELECTRIC Co.,**  
**Pittsburgh, Penna., U.**

---

BRANCH OFFICES AT

*Boston, New York, Chicago, Cincinnati, St. Louis,*  
*San Francisco, Portland, Charlotte,*  
*Dallas.*

---

MANUFACTURERS OF

**Dynamos for Electric Lighting,**  
**CENTRAL STATION ARC AND INCANDESCENT PLANTS,**  
**GENERATORS, CONVERTERS, METERS.**

---

CORRESPONDENCE SOLICITED.

ESTIMATES FURNISHED ON APPLICATION.

# New York *and* Cleveland Gas Coal Co.

MINERS AND SHIPPERS OF

## Youghiogheny Gas Coal

AND

## Pittsburgh Steam Coal.

**Mines on A. V. R. R. and Pennsylvania R. R.**

Shipments from A. V. R. R. mines to all points reached by rail in New York, New England and Canada, and from P. R. R. mines to all points reached by Pennsylvania Railroad Co.'s system.

Lake shipments from Cleveland, Ohio.

---

**CAPACITY OF MINES, 5,000 TONS PER DAY.**

---

We have been supplying Gas Coal to many of the leading Gas Co.'s of the country for almost a quarter century, to some of them continuously during the whole of that period.

GENERAL OFFICE:

**208 WOOD STREET,**

**Pittsburgh, Pa.**



# OTTO GAS ENGINE WORKS,

33d and Walnut Streets, Philadelphia.

151 Monroe Street,  
CHICAGO.

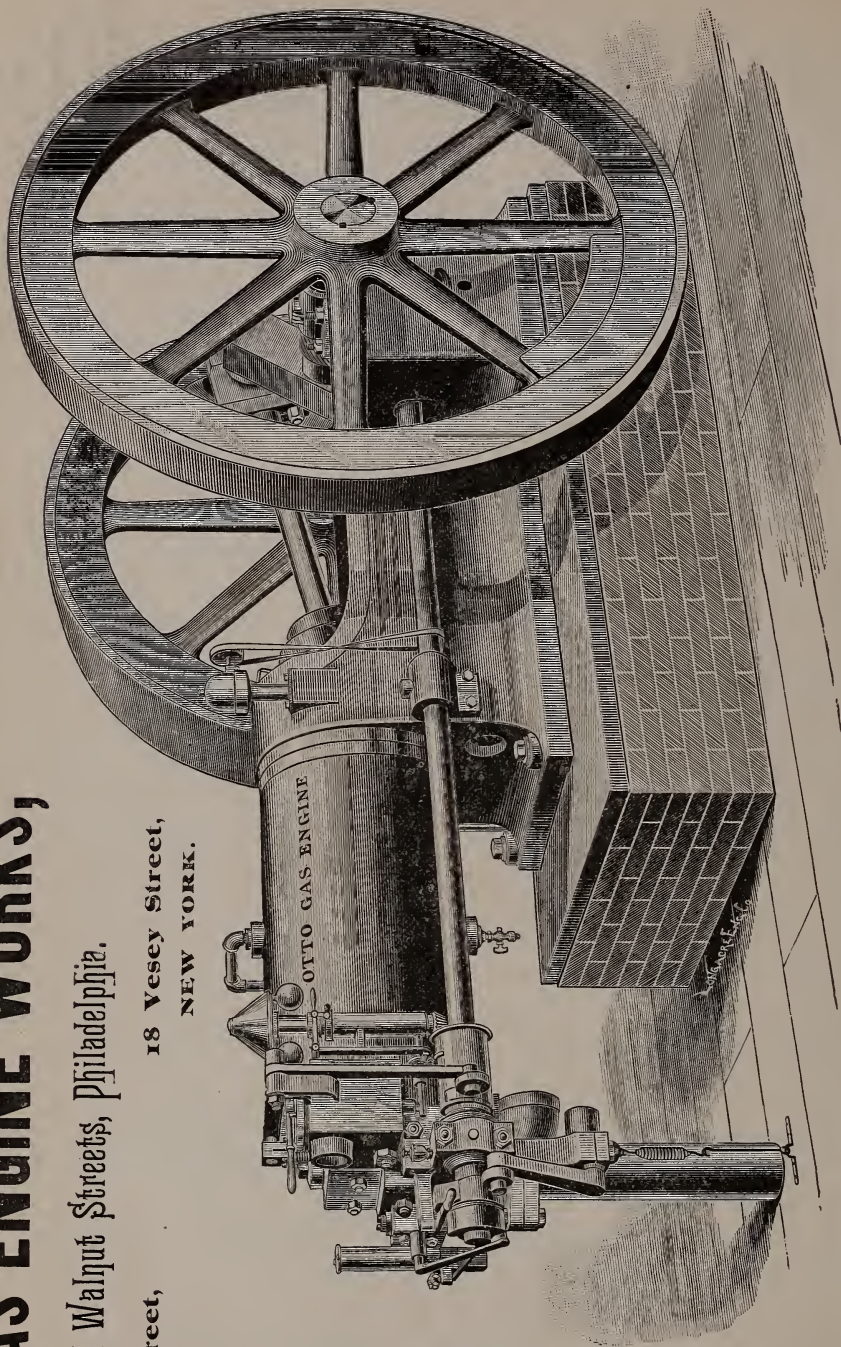
18 Vesey Street,  
NEW YORK.

*Our Engines can  
be adapted to  
the use of*

Fuel Gas,  
Producer Gas,  
Coal Gas,  
— OR —  
Natural Gas.

SIZES:



1-3 to 100 H. P.



## GAS ENGINES

panies or others manufacturing fuel or illuminating gas. In many cases cost of fuel is fully offset by revenues from by-products.

of 50 and 100 Horsepower for ELECTRIC LIGHT STATIONS, WATER WORKS, ELECTRIC RAILWAYS, or other interests owned by Gas Com-

 We guarantee 1½ lbs. of Coal per horse power per hour where Producer Gas is used in our Engines. 

Established 1834.

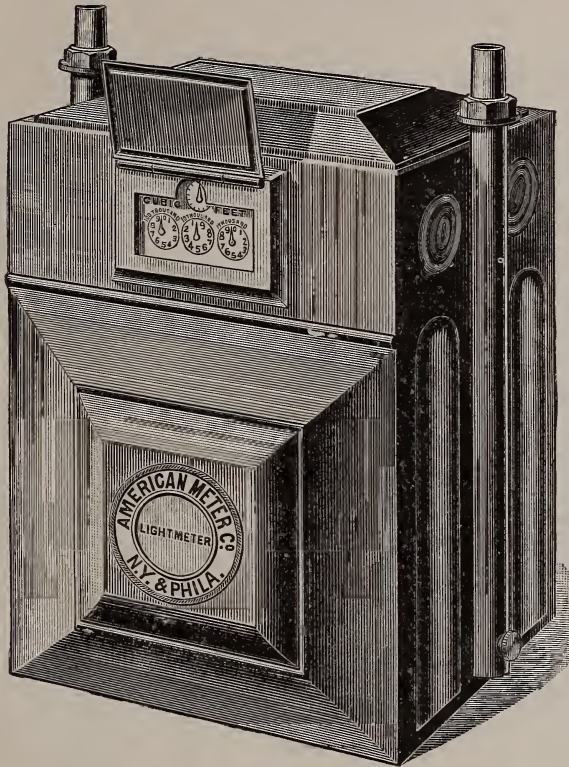
Incorporated 1863.

**AMERICAN METER COMPANY,**

MANUFACTURERS OF STANDARD

**Wet and Dry Gas Meters,**STATION METERS AND GAS APPARATUS OF  
EVERY DESCRIPTION.

Argand Burners,  
Large Flat-Flame  
Burners,  
Lamp Cocks and  
Torches,  
White Rubber Gas Bags,  
Lava Tips,  
Drip Pumps,  
Service Cleaner Pumps,



Service and Meter  
Cocks and all other  
Articles for the  
Distribution of Gas,  
Experimental Meters,  
Meter Provers,  
Pressure Gauges,  
Photometrical  
Apparatus,

APPARATUS FOR DETECTING IMPURITIES IN GAS, YOUNG'S SULPHUR AND AMMONIA TEST, SPECIFIC GRAVITY APPARATUS, DR. LETHBY'S SULPHUR TEST, GAS REFEREES' SULPHUR TEST, EUDIOMETERS, ETC.

SOLE MANUFACTURERS OF  
**THE "ECONOMY" GAS STOVES,**

GAS RANGES, CAKE GRIDDLES, BOILING FURNACES, LAUNDRY AND TAILORS' IRON HEATERS, HOT WATER GENERATORS, AND GAS HEATING STOVES, AND GAS FIRES FOR PARLORS, CHAMBERS, ETC.

CATALOGUES AND PRICE LISTS AT THE COMPANY'S OFFICES:

512 W. 22d St., New York.  
177 Elm St., Cincinnati.

Arch and 22d Sts., Philadelphia.  
222 Sutter St, San Francisco.

244 N. Wells St., Chicago.  
310 N. 2d St., St. Louis.

GAS STOVE SHOW ROOMS:

NEW YORK:  
242 Sixth Avenue.

PHILADELPHIA:  
Arch and 22d Streets.

CHICAGO:  
244 and 246 N. Wells Street.

CINCINNATI:  
177 Elm Street.



HAROLD J. BELL.

S. LEWIS JONES.

# BELL & JONES,

No. 12 North 9th Street,

Philadelphia, Pa.

Works at Royersford, Pa.

MANUFACTURERS OF

## Gas Meters, Station<sup>A</sup><sub>N</sub><sup>D</sup> Experimental Meters,

### METER PROVERS, PRESSURE GAUGES,

AND ALL OTHER

### GAS APPLIANCES IN OUR LINE.

---

We repair all kinds and makes of Gas Meters, and the work guaranteed.

---

**High Pressure Meters for Natural Gas in Iron Cases, guaranteed to stand 300 lbs. pressure. Gas Cooking and Heating Stoves. Hot Plates, Cake Grid-dles, Waffle Bakers, Boiling Stoves, Laundry and Tailors' Iron Heaters, Hotel and Cafe Ranges, a specialty.**

Correspondence Solicited and Estimates Furnished.



# UNIVERSAL GAS LIGHTING CO.



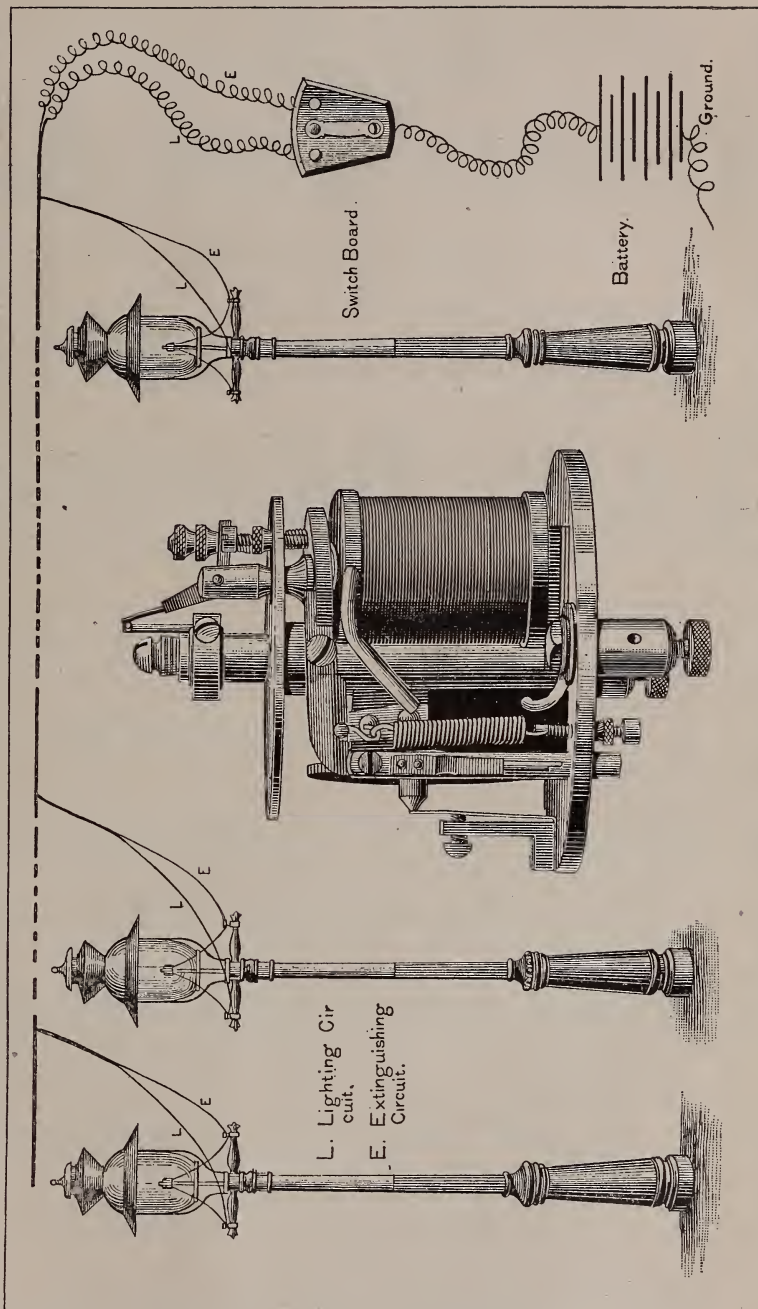
853 Broadway, Domestic Building,

Cor. 14th St., NEW YORK.

*A Complete and Perfect System for Lighting and Extinguishing Street Gas Lamps by Electricity.  
Practical and Economical. Large Saving in Labor and Consumption of Gas.*



GAS ENGINEERS, MECHANICAL EXPERTS AND ELECTRICIANS HAVE EXAMINED OUR SYSTEM AND FULLY ENDORSE IT.



We are now ready to enter into negotiation with reliable parties for the purpose of organizing and establishing the business. Liberal terms will be made under licenses from this Company to such parties as are approved. Correspondence is invited, and all parties interested are cordially invited to witness the system in operation at our offices.

A. HARRIS.

E. L. HARRIS.

J. A. HARRIS.

---

ESTABLISHED 1849.

---

# HARRIS BROS. & Co.,

MANUFACTURERS OF

## Wet and Dry

# GAS METERS,

*Station Meters, Test Meters, Ammonia Test Meters,*

**PRESSURE REGISTERS,**

Bar and Jet Photometers, Pressure and Vacuum Registers, Pressure and Vacuum  
Gauges, Arch and Siphon Gauges, Dry Centre Valves,

METER PROVERS WITH OR WITHOUT OUR PATENT SCALE,

**Patent Exhaust Governors,**

BELL PUMPS, FOR CLEANING SERVICE, ETC.

**Cor. Twelfth *and* Brown Streets,**

PHILADELPHIA.

# Send Us a Sample Order!

**IF YOU WANT ANYTHING ELECTRICAL, WRITE TO US.  
LOWEST PRICES. MOST COMPLETE STOCK.  
QUICKEST SHIPMENT.**

Wire.	All kinds from bare to highest grade of insulation made. We always carry a full stock of wire of all the best makes.
Flexible Cord.	Of all sizes, and every finish.
Sockets.	Key sockets, keyless sockets, push button sockets, receptacle sockets, porcelain sockets. Absolutely water-proof and vapor-proof.
Cut-Outs.	Porcelain cut-outs, having plug or link fuses. Every size and style for two or three wire system.
Incandescent Lamps.	To fit any socket. All candle powers, any voltage, and any efficiency up to twenty lamps to horse power.
Switches.	All mounted on porcelain. Absolutely incombustible. Any size. No heating or arcing.
Ampere Meters.	Accurate, constant, any range desired.
Volt Meters.	Very sensitive. Shielded from magnetic influence. Constant. Never need recalibration. Any reading desired.
Dynamos.	Any voltage, from one volt to 1,200. Any current, from two amperes to 3,000. Self-oiling bearings, highest efficiency, compound wound or shunt wound. No sparking. Perfect in every detail.
Kinds of Plants.	Central stations on two-wire, three-wire, double three-wire, series and converter systems. Isolated plants, two-wire or three-wire. Train lighting plants, having special dynamo and engine, and all perfected special devices and methods. Steamship plants, best plants afloat, special devices perfected in every way, and approved by government. Transmission of power plants. Electro-deposition plants; wide experience, perfected methods and devices. Arc lighting plants. Every good and economical kind of plants. Send for information and estimate to nearest District office. Construction for all kinds of electric light, electric power and electric railway, and electro-metallurgical plants.
Miscellaneous Articles.	Such as tape, rubber tubing, insulators, pins, cross-arms, solder, cleats, screws, insulating hooks, insulating compound, always in stock and sold at best prices.
Supplies.	Of every kind in stock at New York, Chicago, Denver and San Francisco.
Agents.	Can be had anywhere within twenty-four hours.
Contracts for Installation	We make contracts for complete installation, construction and all, and are directly responsible for everything about the plant. No sub-contractors. No division of responsibility.

## UNITED EDISON MFG. Co.

**MAIN DISTRICT OFFICES:**  
 Eastern Dist., 65 Fifth Avenue, New York City.  
 Central " Rialto Building, Chicago, Ill.  
 Mountain " 730 Seventeenth St., Denver, Col.  
 Pacific " Chronicle Build'g, San Francisco, Cal.  
 Canadian " Bank of Commerce Bld'g, Toronto, Can.



We are the  
only  
Manufacturers  
of an  
800  
Candle Power  
ARC  
LAMP.

The Secret of  
Success  
in  
ELECTRIC  
LIGHTING  
centers  
in the  
Coal Pile.



### GUARANTEES.

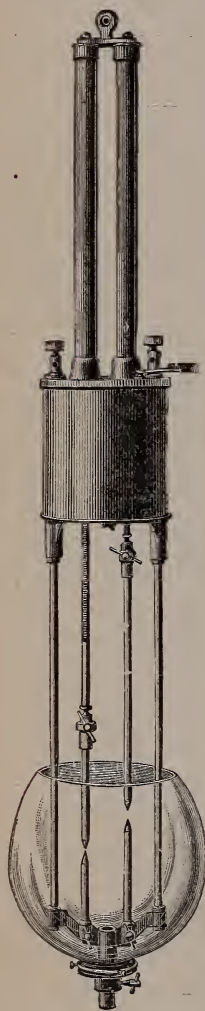
**WE GUARANTEE** our 4 ampere or 800 c. p. Dynamo to give the most perfect results for Manufacturing Establishments and for Street Lighting. Power required less than 1-3 of a horse-power per light.

**WE GUARANTEE** our 6 ampere or 1,200 c. p. Dynamo does not require over 1-2 horse-power per light.

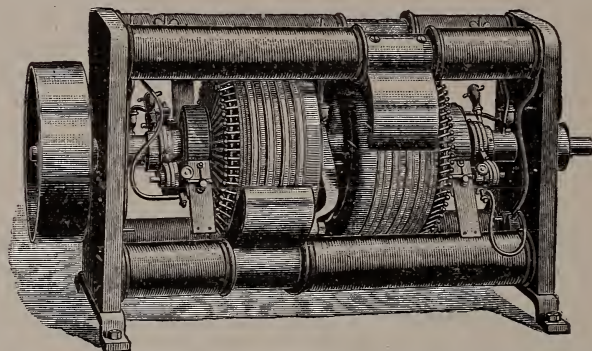
**WE GUARANTEE** our 8 ampere or 1,600 c. p. Dynamo does not require over 65-100 horse-power per light.

**WE GUARANTEE** our 10 ampere or 2,000 c. p. Dynamo does not require over 8-10 horse-power per light.

**WE GUARANTEE** our Dynamo will give much greater efficiency than any other for given metal, power and kind of work



DOUBLE LAMP.

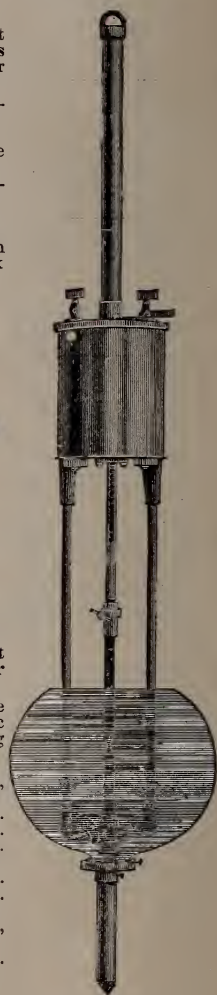


We would call especial attention to our **Subdivided Arc Light** of 4 amperes, 800 c. p., requiring less than 1-3 of a horse-power each.

**The Ball Dynamo** has now been in general use throughout the United States, Great Britain, South and Central America and the Republic of Mexico for the past ten years. Our best references are parties using the Ball System. Below are some of them:

Petersburgh Electric Light Co., Petersburgh, Ill.  
Pullman Car Co., Pullman, Ill.  
Stratford Gas Co., Stratford, Ont.  
Virginia Elec. Light Co., Virginia, Ill.  
Waterloo Mfg. Co., Waterloo, N. Y.  
Weybosset Mills, Providence, R. I.  
Jordan, Marsh & Co., Boston, Mass.  
Macullar & Parker, Boston, Mass.  
Spencer Gas Co., Spencer, Mass.  
Manton Mills, Manton, R. I.  
National Worsted Mills, Providence, R. I.  
Norwalk Gas Co., Norwalk, Conn.

Clyde Bleaching & Print Works, Riverfort, R. I.  
Wamsutta Mills, New Bedford, Mass.  
Parkhill Mfg. Co., Fitchburg, Mass.  
Beloit Elec. & Power Co., Beloit, Wis.  
Campbell & Dick, Pittsburgh, Pa.  
Battle Gettysburg, New York City.  
Ingersoll Rock Drill Co., N. Y. City.  
Old Dominion S. S. Co., N. Y. City.  
Merchants' Elec. Light & Power Co., Birmingham, Ala.  
Isaac McHose & Sons, Reading, Pa.  
Oriental Hotel, N. Y. City.  
Penna. Co., Fort Wayne, Ind.

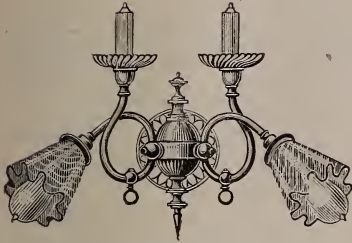


SINGLE LAMP.

MANUFACTURERS OF THE  
**BALL ELECTRIC LIGHT SYSTEM**  
FOR ALL PURPOSES OF ILLUMINATION.

Offices: 18 Courtlandt St. Factory: 281 to 289 Ninth Ave. and 400 to 416 W. 27th Street,  
NEW YORK CITY

# GAS FIXTURES, ELECTROLIERS AND COMBINATION FIXTURES.

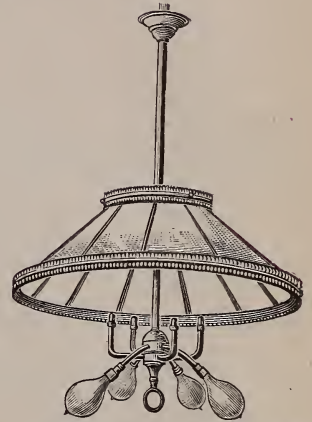


**COMBINATION  
BRACKET.**

Chandeliers, Pendants, Brackets, Brass Gas Fittings, Glass Globes and Shades for Gas Lighting.



**COMBINATION CHANDELIER AS  
ARRANGED TO USE BOTH  
GAS AND ELECTRIC  
LIGHT.**



**COMBINATION WHITE  
GLASS REFLECTOR.**

The best Reflector for Churches and Public Buildings.

Electroliers, Pendants, Brackets, and all Fittings for Incandescent Lamps.

*Artistic Designs furnished for Public Buildings, Churches,  
Schools, etc.*

MANUFACTURERS OF THE

## GREAT WHITE LIGHT REFLECTORS

FOR CHURCHES, TO USE EITHER GAS OR ELECTRIC LIGHT.

MANUFACTORY:

24th and 25th Sts. and 10th Ave.

SALESROOM:

836 and 838 Broadway and 13th St.

NEW YORK CITY.

Successor to MITCHELL, VANCE & CO.

ESTABLISHED 1854.

# THE MITCHELL VANCE CO.



# WROUGHT IRON FOR GAS MAINS!

MINIMUM LEAKAGE.

---

## National Tube Works Company

Wrought Iron Pipe up to and including Twenty-four Inches Diameter.

Hundreds of Miles of the Celebrated Converse Patent Lock Joint Pipe conveying natural and manufactured gases under Extreme High Pressures.

Strength, Durability, Economy!

Converse Patent Lock Joint Water and Gas Works Systems:

Time has demonstrated the absolute protection against corrosion given by the Kalamein alloy.

Kalamein Service Pipes.

For all classes of Wrought Iron Pipe, Standard and Special,

Address :

## NATIONAL TUBE WORKS COMPANY,

WORKS:

*BOSTON, MASS.*

*McKEESPORT, PA.*

OFFICES AND WAREHOUSES:

*NEW YORK CITY, N. Y.    BOSTON, MASS.    PHILADELPHIA, PA.*  
*PITTSBURGH, PA.        CHICAGO, ILL.        ST. LOUIS, MO.*



# OIL WELL SUPPLY CO., LIMITED,

## 82 FULTON ST., NEW YORK.

ALSO AT PITTSBURGH, BRADFORD AND OIL CITY, PENNSYLVANIA.

MANUFACTURE AND SELL EVERY ARTICLE, TOOL OR APPLIANCE NEEDED AT

## GAS WELLS.

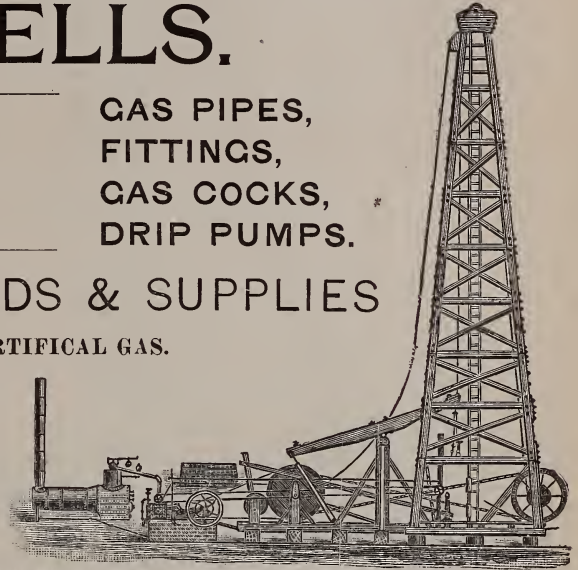
BOILERS,  
ENGINES,  
BURNERS,  
TUBING,

GAS PIPES,  
FITTINGS,  
GAS COCKS,  
DRIP PUMPS.

### BRASS & IRON GOODS & SUPPLIES

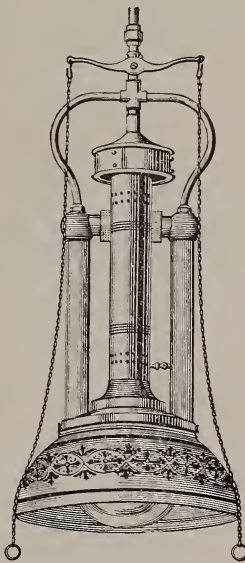
FOR NATURAL OR ARTIFICIAL GAS.

CATALOGUES  
AND  
PRICE LISTS  
ON  
APPLICATION.



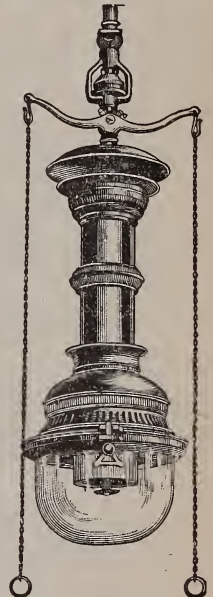
THE GORDON STREET LAMP.

The only successful competitor of the  
Arc Electric Light for Street  
Lighting.



THE GORDON PORTICO LAMP.

The only successful competitor of the Arc Electric  
Light for lighting Store Fronts, Show Win-  
dows, Railway Sheds, Depots, &c.

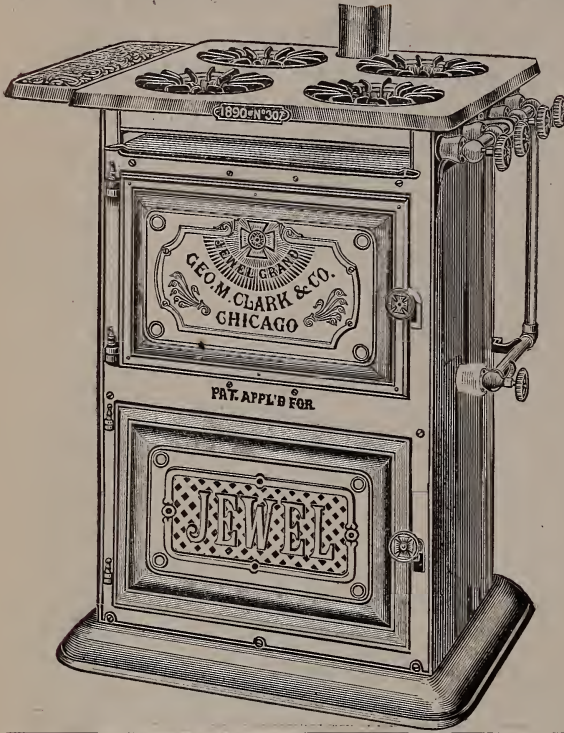


THE LUNGREN LAMP.

The only successful competitor  
of the Incandescent Electric  
Light for lighting interiors.

**THE SIEMENS LUNGREN CO.,** N. E. Cor. 21st Street and Washington Avenue, Phila.

# JEWEL GAS STOVES.



*30 Different Styles, ranging in prices from \$1.50 to \$30.00.*

*We use no Gas Cocks. All flames are regulated by direct needle valves.*

*Write for our 1890 Catalogue and see for yourself.*

*The Jewel is the best made and best operating Gas Stove on the market. It is the only one that is built on the interchangeable plan.*

*Every size and style for all kinds of work.*

**GEORGE M. CLARK & COMPANY,  
MANUFACTURERS,**

157 & 159 Superior St., Chicago.

# Bartlett Street Lamp Mfg. Co.

MANUFACTURERS AND SHIPPERS OF

BARTLETT'S PATENT

## GLOBE LAMPS

FOR

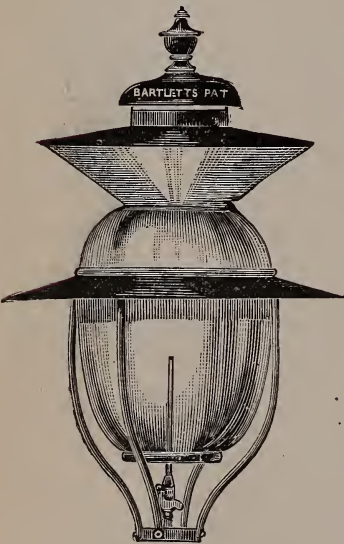
STREETS, PARKS, RAILWAY STATIONS, Etc.

SOCKETS OF ALL SIZES.

LAMP-POSTS A SPECIALTY.

Send for Price Lists and Illustrated Catalogue.

40 and 42 COLLEGE PLACE,  
NEW YORK, U. S. A.





# "ENORMOUS GAS BILLS"

RESULT FROM EXCESSIVE PRESSURE.

You Can Secure 15 to 40 Per Cent. REDUCTION by  
Attachment of

## REFERENCES.

### NEW YORK CITY.

"*Mullum in Parvo.*"

"12 machines 2 years;  
Saving \$600 per month."  
Metropolitan Opera House.

"Six machines. Saving 33 per  
cent."  
Potter & Styms Mfg. Co.

"Saving 43 per cent."  
Robbins & Appleton, N. Y.

"7 machines. Saving 25 per  
cent."  
John Daniell & Sons, N. Y.

"6 machines. Saving 25 per  
cent."  
R. H. Macy & Co., N. Y.

"Decided Saving. Amplelight."  
Young Men's Christian Asso-  
ciation, N. Y.

"Saving 21 per cent."  
N. Y. Produce Exchange.

"Very satisfactory."  
American Express Co., N. Y.

"Very satisfactory."  
U. S. Express Co., N. Y.

"Very satisfactory."  
Adams Express Co., N. Y.

"4 machines. Saving 37 per  
cent. Improved sanitary  
condition."  
Roosevelt Hospital, N. Y.

"Equal to any Governor."  
Consolidated Gas Co., N. Y.  
Chas. Roome, Pres't.

"We use them exclusively."  
Equitable Gas Light Co., N. Y.  
E. M. C. Graham, Pres't.

"200 Light Governor." Saving  
40 per cent."  
N. Y. Cotton Exchange.

"10 machines. Saving 33 per  
cent."  
Harry Miner's 3 Theatres.

"Three 500-light machines. En-  
tirely satisfactory."  
Union League Club, N. Y.

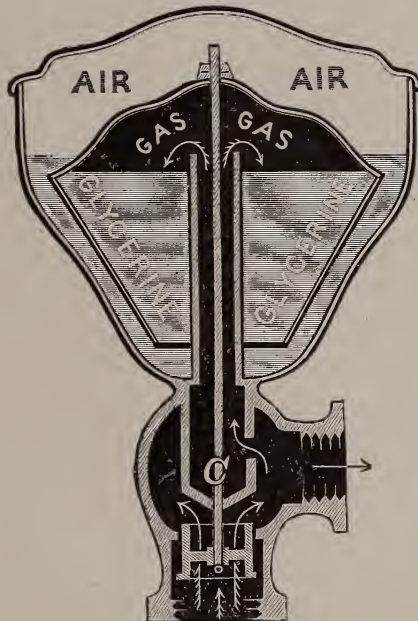
"Three 150-light machines.  
Saving 40 per cent."  
Erie R. R. Co., N. Y.

"3 machines. Saving 33 per  
cent."  
Broadway Theatre.

"Best in use."  
Hotel Brunswick, Boston.

"Saving 33 per cent."  
Northern Pacific R. R. Co.,  
St. Paul, Minn.

## THE "NATIONAL" AUTOMATIC GAS-SAVING Governor TO METER.



## OVER 10,000 in SERVICE

Exclusive Agencies can be secured  
by prompt application to

THE UNION  
National Gas-Saving Co.,

Facts for the Public.

## THE GOVERNOR,

Equalizes the pressure  
at the meter to Five-Tenths—  
whether street pressure is Ten-  
Tenths or Thirty-Tenths—or  
whether

One or One Hundred  
Burners are Lighted.

The automatic action of valve  
also cuts off street pressure  
when lights are extinguished,  
thus preventing all wastage and  
bad odors from leaking pipes,  
insuring

Greater Brilliancy,  
Steadier Flame,  
Security against Fire.  
No blowing or smoking burn-  
ers. No broken globes. Insur-  
ance risks greatly reduced.

Marvellous Sanitary  
Effects.

No poisonous vapors from un-  
consumed gases. No vitiated  
atmosphere. No smoked-up  
walls, paintings nor drapery.

Practical Economy.

You pay their cost to gas com-  
panies every three months. Four  
times a year.

400 Per Cent. Per Annum  
for Indifferent Light.

Why?

Reliable and Durable.

Constructed entirely of brass.  
No rubber nor leather "Diaph-  
ragms" to be eaten up by gas  
and acids. No mercury to  
poison the atmosphere.

Are they appreciated?

Our thousand of patrons, the  
press, the pulpit, the stage, high-  
est corporate, mercantile and  
expert authorities, who have  
"tested their virtues" for the  
past three to five years (in every  
State in the Union) indicate that  
they have achieved a well  
merited and "world wide" rep-  
utation.

744 Broadway, New York City.



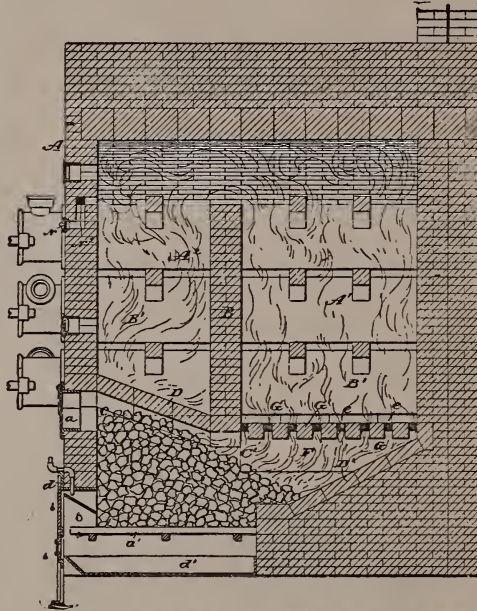
# FLEMMING FURNACE.

A SIMPLE, PRACTICAL GENERATOR—GAS FURNACE.

\* \* \*

CAN BE ADAPTED TO  
EXISTING ARCHES OF  
ANY SIZE, AND WILL  
HEAT ECONOMICALLY  
AND EQUALLY WELL  
BENCHES OF

3, 4, 5, 6 or 9  
**RETORTS.**



\* \* \*

For information address the Sole  
Manufacturers,

**J. H. GAUTIER & CO.**

MANUFACTURERS OF

**RETORTS,**

**TILES, and**

**FIRE BRICK,**

Foot of GREENE STREET,

JERSEY CITY, N. J.

\* \* \*

# TIDE WATER OIL CO.,

Successor to

Ocean Oil Co.,

Chester Oil Co.,

Lombard, Ayres & Co.,

Polar Oil Co.

## Manufacturer of all Products of Petroleum.

This company with greatly increased facilities continues the business of the companies it has succeeded, and is in position to contract with **Gas Companies** in any part of the country for their supply of **Naphtha** and **Gas Oil**.

Deliveries made in our own tank cars.

Correspondence solicited; address, C. W. BURTON, Manager, Domestic Department.

GENERAL OFFICE:

WORKS:

12 Broadway, New York.

Bayonne, N. J.; Thurlow, Pa.

# Engravers & Printers of

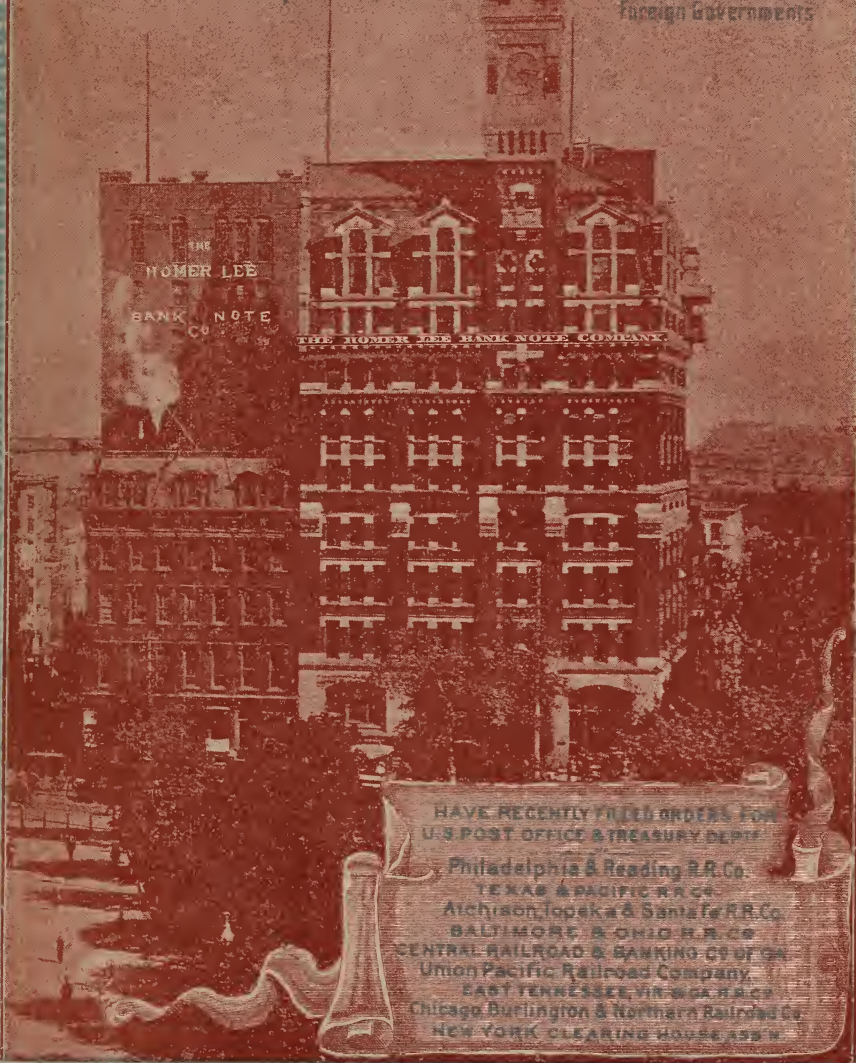
## BOND STOCK CERTIFICATES ETC

for Railroads,  
Banks, Mining, Electric Water & Gas Co<sup>s</sup> and other enterprises.

Engravers  
and Printers of

U.S. Postal Notes

Bank Notes, Postage Stamps  
and other securities for  
foreign Governments



HAVE RECENTLY FILED ORDERS FOR  
U.S. POST OFFICE & TREASURY DEPT.

Philadelphia & Reading R.R. Co.  
TEXAS & PACIFIC R.R. Co.  
Atchison, Topeka & Santa Fe R.R. Co.  
BALTIMORE & OHIO R.R. Co.  
CENTRAL RAILROAD & BANKING CO. OF OK.  
Union Pacific Railroad Company  
EAST TENNESSEE VIR. & GA. R.R. Co.  
Chicago, Burlington & Northern Railroad Co.  
NEW YORK CLEARING HOUSE ASS'n

**THE HOMER LEE BANK NOTE COMPANY**

CITY HALL SQUARE NEW YORK.  
SECURITIES ENGRAVED BY THIS COMPANY ARE A GOOD DELIVERY ON THE  
NEW YORK AND LONDON STOCK EXCHANGES.



# Engravers & Printers of

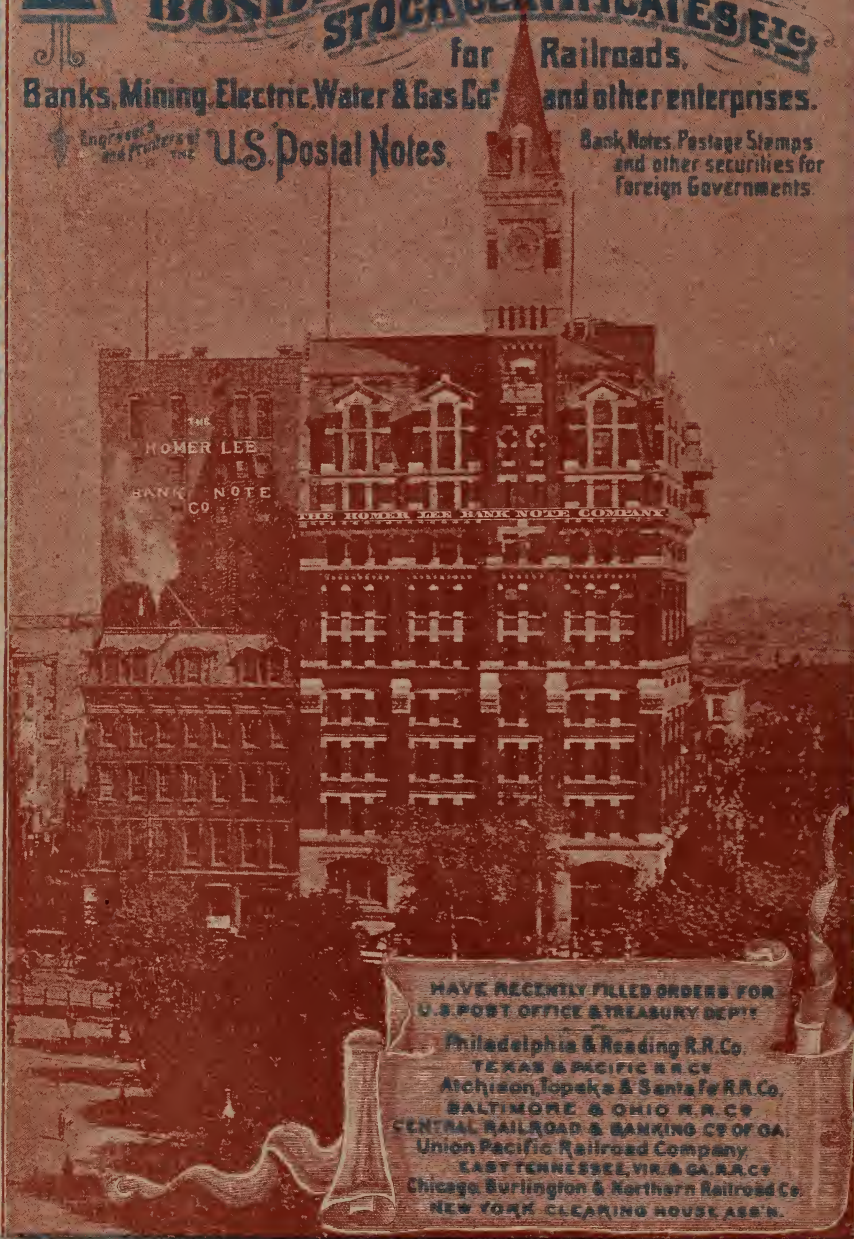
## BONDS STOCK CERTIFICATES ETC.

for Railroads,  
Banks, Mining, Electric, Water & Gas Co. and other enterprises.

Engravers  
and Printers of

U.S. Postal Notes.

Bank Notes, Postage Stamps  
and other securities for  
Foreign Governments.



HAVE RECENTLY FILLED ORDERS FOR  
U.S. POST OFFICE & TREASURY DEPT.

Philadelphia & Reading R.R. Co.

TEXAS & PACIFIC R.R. CO.

Atchison, Topeka & Santa Fe R.R. Co.

BALTIMORE & OHIO R.R. CO.

CENTRAL RAILROAD & BANKING CO. OF GA.

Union Pacific Railroad Company

EAST TENNESSEE, VIR. & GA. R.R. CO.

Chicago, Burlington & Northern Railroad Co.

NEW YORK CLEARING HOUSE ASS'N.

**THE HOMER LEE BANK NOTE COMPANY**

CITY HALL SQUARE NEW YORK

SECURITIES ENGRAVED BY THIS COMPANY ARE A GOOD DELIVERY ON THE  
NEW YORK AND LONDON STOCK EXCHANGES.



# The 'Instantaneous Water Heating Co.

210 ILLINOIS ST., CHICAGO, ILL.

MANUFACTURERS OF THE

DOUGLAS INSTANTANEOUS

**GAS WATER HEATER,**

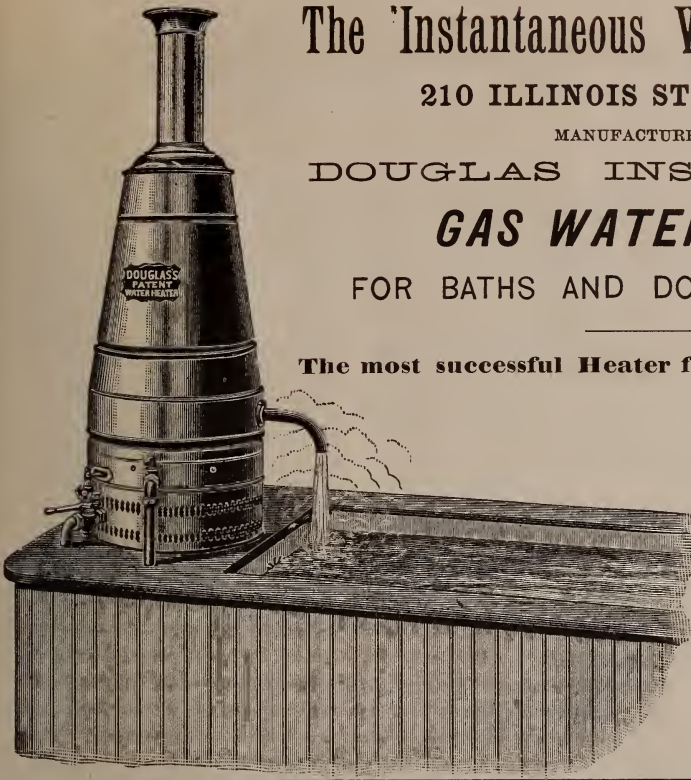
FOR BATHS AND DOMESTIC PURPOSES.

The most successful Heater for the purpose yet invented.

GAS COMPANIES NOT SELL-  
ING THIS HEATER, WILL  
FIND IT TO THEIR  
ADVANTAGE TO TRY THEM.

We guarantee the  
DOUGLAS to give satisfaction.

WRITE FOR PRICES AND DISCOUNTS.



**BROOKLYN CLAY RETORT AND FIRE BRICK WORKS,**

(EDWARD D. WHITE & CO.)

MANUFACTURERS OF

**CLAY GAS RETORTS, TILE AND FIRE BRICK,**

DEALERS IN

GROUND FIRE CLAY, GROUND FIRE BRICK, KAOLIN, FIRE SAND, Etc.

**VAN DYKE, ELIZABETH AND RICHARDS STS.,**

Office: 88 VAN DYKE ST.

BROOKLYN, N. Y.

GEORGE ORMROD,

MANAGER AND TREAS.,

EMAUS, PA.



JOHN DONALDSON, PRES.,

226 WALNUT STREET,

PHILA., PA.

**EMAUS PIPE FOUNDRY,**

Donaldson Iron Company,

MANUFACTURERS OF

**CAST IRON PIPE**

AND

SPECIAL CASTINGS FOR WATER AND GAS.

Emaus, Lehigh Co., Pa.

# American Loan and Trust Company,

113 BROADWAY,

NEW YORK.

---

CAPITAL FULLY PAID,       =       =       \$1,000,000.

---

O. D. BALDWIN,  
*President.*

GEO. A. EVANS,  
*Vice-President.*

JAS. S. THURSTON, *Secretary.*

## DIRECTORS.

---

JOHN L. MACAULAY,  
GEORGE S. HART,  
WALLACE C. ANDREWS,  
JOHN I. BLAIR,  
WILLIAM P. ANDERSON,  
JULES ALDIGE.  
JOHN D. KIMMEY,  
CHARLES PARSONS,  
GEORGE A. EVANS,

BENJAMIN F. TRACY,  
GRANVILLE P. HAWES,  
JAMES S. THURSTON,  
JOHN S. SILVER,  
THOMAS F. GOODRICH,  
PAYSON MERRILL,  
HEMAN CLARK,  
GEORGE P. SLADE,  
THOMAS C. PLATT,

O. D. BALDWIN.

---

**All Checks pass through the Clearing House.**

**Accepts and Executes all kinds of Trusts.**

**Acts as Registrar and Transfer Agent.**

**Acts as Trustee for Trust Mortgages.**

**Makes Investments for Others.**

**Pays and Collects Coupons, Dividends, etc.**


**Issues Certificates for Deposits Bearing Interest.**

**Transacts a General Financial Business,**

**For Banks, Bankers and Private Parties.**


**Executes Orders by Mail for Non-Residents of New York,**

**and Forwards Advices.**





**PHOENIX GLASS CO**  
OF PITTSBURGH, PA.

MANUFACTURERS OF A FULL LINE OF  
**ELECTRIC LIGHT**

**GLOBES**  **SHADES**

**BOTH ARC AND INCANDESCENT.**  
**RICH CUT, OPAL, CLEAR, ETCHED, ROUGHED, ETC.**  
**ADAPTED TO ALL SYSTEMS.**

 **729 BROADWAY, NEW YORK.**  
(COR. WAVERLY PLACE), AND  
**43 SIXTH AVE., PITTSBURGH, PA.** 

ALSO, COLORED, ETCHED AND RICH CUT GAS GLOBES OF FANCY  
AND STAPLE SHAPES.

OPAL GLOBES AND SHADES, SMOKE BELLS, ETC.

DECORATED SHADES, ETC., ETC.

SEND FOR CATALOGUE.



# The Western Gas Construction Co.

**FORT WAYNE, IND.,**

*Engineers and Builders of*

## GAS WORKS AND APPARATUS,

*Steel and Wrought Iron Shells for Water Gas Apparatus,*

**Bench Castings, Condensers, Scrubbers,**

**PURIFIERS AND COVERS, CENTRE VALVES AND BY-PASSES,**

*Hydraulic and Power Lifts,*

*All Kinds of PIPE SPECIALS from light and heavy Patterns,*

*Lamp Posts and General Castings, Iron Roofs and Floors,*

*Boilers, Tanks and Riveted Steel Pipe.*

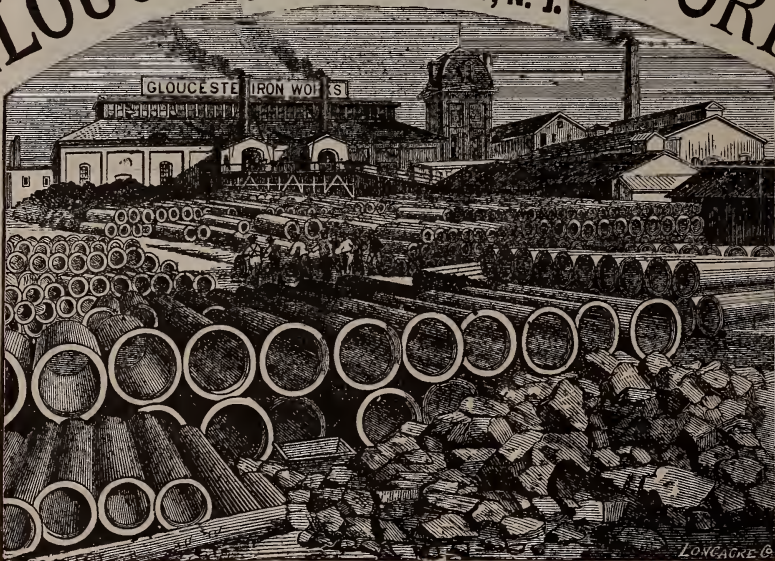
CORRESPONDENCE SOLICITED FOR PLANS AND ESTIMATES ON REMODELLING AND  
EXTENSIONS OR CONSTRUCTION OF NEW WORKS.

**SAM'L R. SHIPLEY, Pres.**  
**HENRY B. CHEW, Treas.**

**JAS. P. MICHELLON, Sec.**  
**WM. SEXTON, Supt.**

## GLOUCESTER IRON WORKS

GLOUCESTER CITY, N. J.



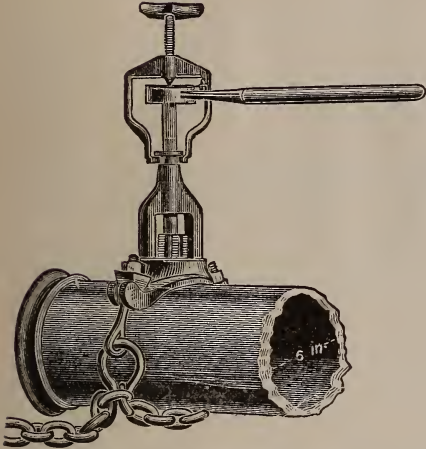
Cast Iron Gas and Water Pipes, Stop Valves, Fire Hydrants, Etc.

Office: Rooms No. 703 & 704 Provident Building, 401 Chestnut Street, Philadelphia, Pa.

# THE BRASS AND IRON WORKS CO.

(Successors to WALTER S. PAYNE & CO.)

**FOSTORIA, O.**



## MANUFACTURERS OF PAYNE'S "CROW" OR DRY PIPE Tapping Machine.

IS WITHOUT AN EQUAL.

WRITE FOR PRICES.

Our High Pressure Tapper for Tapping GAS and WATER Mains Under Pressure, is the most Perfect and Simple Machine for this purpose in the Market.

WRITE FOR DESCRIPTIVE CIRCULAR AND PRICE LISTS.

RETORTS OF ANY DESIRED PATTERN. Write for Prices.

## THE GOODWIN GAS STOVE AND METER CO.

MANUFACTURERS OF

### The SUN DIAL GAS COOKING and HEATING STOVES.

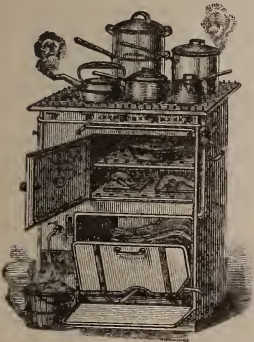
The most economical in use. Over 100 different kinds. Suitable for Families, Hotels, Restaurants and Public Institutions. Laundry, Hatters' and Tailors' Heaters. Hot Plates, Warming Closets for Pantries, Hot Water Generators, Etc., Etc.

1012-1018 FILBERT STREET, PHILADELPHIA.

113 CHAMBERS STREET, NEW YORK.

76 DEARBORN STREET, CHICAGO.

WALDO BROS., AGENTS, 88 WATER ST., BOSTON, MASS.



## CONNELLY & CO., 111 BROADWAY, NEW YORK.

**Sole Manufacturers of their Patented Specialties.**

**"IRON SPONGE,"** Saves money, saves labor, and is the most efficient purifying agent ever offered as a substitute for lime. Should be used in every gas works. Its own saving will pay for it many times over.

**AUTOMATIC GOVERNOR,** Has been on the market but *three years*, and in that time has been introduced *more generally* than any invention ever designed for use in gas works. Over *two hundred* of them now in use. No gas works is *complete* without one of these machines.

**STEAM JET EXHAUSTER,** Designed particularly for small works. Occupies but little space; uses very little steam; operated by ordinary workmen; prevents formation of carbon in retorts; increases yield 10 to 15 per cent. *No works* too small to use them profitably. Correspondence solicited.



## REDUCING VALVES.

For reducing Steam or Air pressure these valves are acknowledged the leading ones in the market. Over 3,000 have been sold for steam car heating alone.

## PUMP GOVERNORS,

For maintaining a constant and given speed on steam pumps. These are used by every sugar refinery in the country and are recommended by all pump makers.

## PRESSURE REGULATORS.

These are used in many of the largest Gas Works, where it is desired to maintain a given pressure with a steam pump. They are also used on fire and elevator pumps.

Send for prices to us, or to JENKINS BROS., New York, Philadelphia and Chicago.

The above cut shows

## THE MASON STEAM DAMPER REGULATOR,

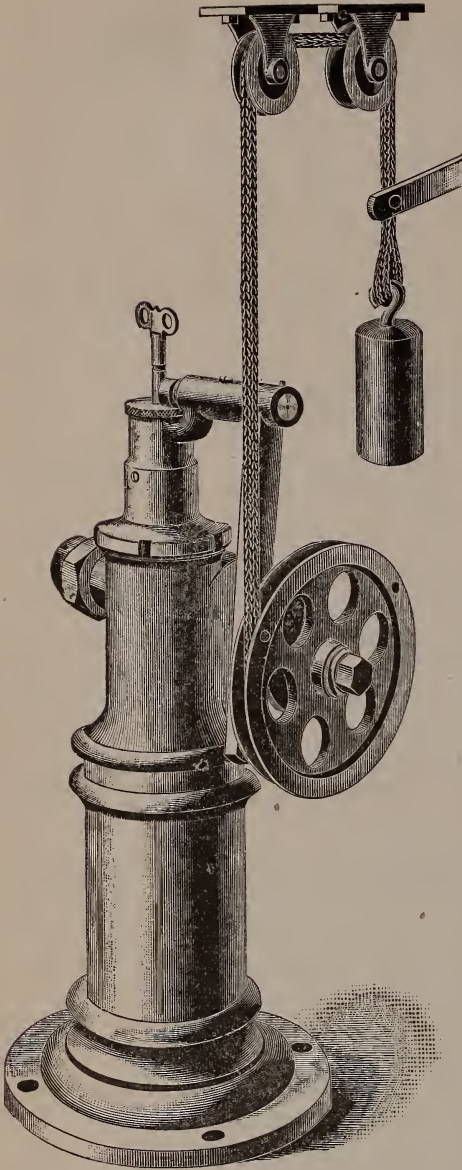
which has many desirable points over any now in use. It is simple, durable, direct in its action, is operated by the steam from the boiler, is easy to apply, and will not get out of order. All that is necessary in applying, is to fasten the regulator to a shelf in some convenient position, and attach it by a chain to the damper, while a connection is made to the boiler by a small pipe. The boiler pressure desired can be readily changed by turning the key shown at the top. It will regulate as close as the best. Every one nickel plated.

All parts are made of the best steam metal obtainable. We make only two sizes. We guarantee it, and will send one on trial. Weight of the two sizes, 15 and 20 lbs.

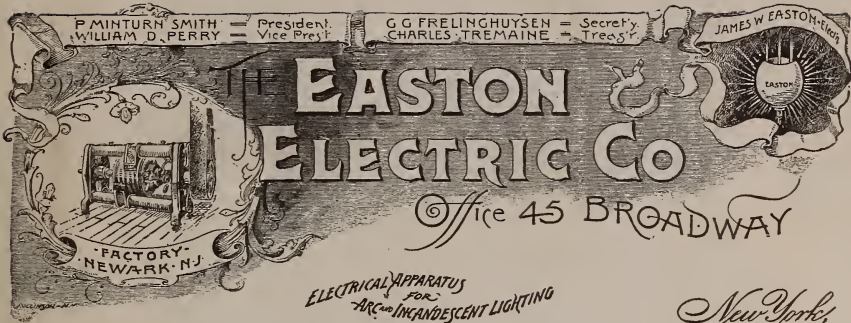
MANUFACTURED BY

MASON REGULATOR CO.,

BOSTON.







SCIENTIFIC IN CONSTRUCTION.

ECONOMICAL IN MAINTENANCE.

SATISFACTORY IN RESULTS.

LOW PRICES

SEND FOR ILLUSTRATED CIRCULAR.

---

# CAST IRON PIPE

**FOR WATER AND GAS,**  
*Sewers, Culverts and Drains,*  
BELL AND SPIGOT, OR FLANGED,  
**With Fittings.**

*Fire Hydrants, Stop Valves, Lamp Posts, Canada Turbines, &c., &c.*

**GENERAL FOUNDRY AND MACHINE WORK.**

JOHN FOX, Selling Agent,

160 Broadway, New York.

**Mellert Foundry & Machine Co., Limited,**

**READING, PA.**



Standard Street Lamp

RAILROAD

INSTANTANEOUS  
SYSTEM OF  
GAS LIGHTING  
WITHOUT  
ELECTRICITY

MANUFACTURERS OF  
PLAIN

— AND —  
FANCY

LAMPS

— FOR —  
STREET

— AND —

INSTANTANEOUS  
SYSTEM OF  
GAS LIGHTING  
WITHOUT  
ELECTRICITY.

PURPOSES.



**STANDARD GAS LAMP COMPANY.**



DYOTT'S  
CHAMPION AND  
CRYSTAL  
LAMPS.

OFFICE :

411 CHERRY STREET,  
Philadelphia, Pa.

Branch Offices :

52 WALL STREET, NEW YORK.

51 W. VAN BUREN ST., CHICAGO.



The reason why Advertisers stay in

PROGRESSIVE AGE

—IS BECAUSE—

IT PAYS!

## BOILER FLUE CLEANERS.

PARSON'S Air Jet Flue Cleaners the Best. Adopted by  
U. S. Navy.

H. E. PARSON, 35 LIBERTY ST., NEW YORK.

## BURNING BREEZE.

PARSON'S Steam Blowers. Adopted by many Gas Works for  
Burning Breeze or Waste Coke.

H. E. PARSON, 35 LIBERTY ST., NEW YORK.

## BURNING TAR OR REFUSE OIL.

PARSON'S Tar and Oil Burner. In Successful Operation in  
Hundreds of Gas Works in this Country.

H. E. PARSON, 35 LIBERTY ST., NEW YORK.

# THE "NATURAL GAS" ROUTE.



## LAKE ERIE AND WESTERN RAILWAY.

TRAVELERS DESIRING TO VISIT

The Greatest Natural Gas Belt in the World,

CAN DO SO OVER THIS LINE ONLY,

### FOR "SCENIC" EFFECTS

TAKE IN THE GAS LIT CITIES:

**FREMONT, O.,**

**FOSTORIA, O.,**

**FINDLAY, O.,**

**LIMA, O.,**

**PORTLAND, IND.,**

**MUNCIE, IND.,**

**FRANKFORT, IND.,**

**LAFAYETTE, IND.**

Solid trains between Peoria and Sandusky and Indianapolis and Michigan City.

Reclining Chair Cars Free.

Direct connections to and from all points in the United States and Canada.

C. F. DALY, Asst. Gen'l Pass. Agent,  
INDIANAPOLIS, IND.



W. S. CHAMBERLIN,  
President.

A. M. SUTHERLAND,  
Sec'y & Treas.

# NATIONAL GAS IMPROVEMENT COMPANY,

OWNERS OF THE

*Allen-Harris System for Water Gas*

AND

*Sutherland Process for making Gas with Crude  
Petroleum.*

---

THE

**MOST EFFECTIVE AND LEAST EXPENSIVE PROCESS IN EXISTENCE**

**FOR LARGE OR SMALL WORKS.**

---

**115 Broadway, New York City.**

# WALTER S. PAYNE & CO., Fostoria, O.

We are the Sole Owners and Manufacturers of

## Walter S. Payne's Improved "Ideal"

### Dry Pipe Tapping Machine.



This machine is made of bronze metal, with Malleable Iron Saddles to fit different size mains. It is a great improvement over our old Patent Crow. As it does not allow the gas to escape while tapping, and also plugs the hole when tapped so that no gas escapes when the machine is taken off. The Plug is placed in the machine and drawn back into the recess. After drilling and tapping the Tap is drawn up into the machine and the plug is placed over the hole by pushing in the handle that extends out from the recess. The top of the plug is made to receive the end of drill and the plug is screwed into the pipe, using the drill as a screw driver. The machine is then taken off. The plug is taken out when the fitters are ready to connect the pipe to the main.

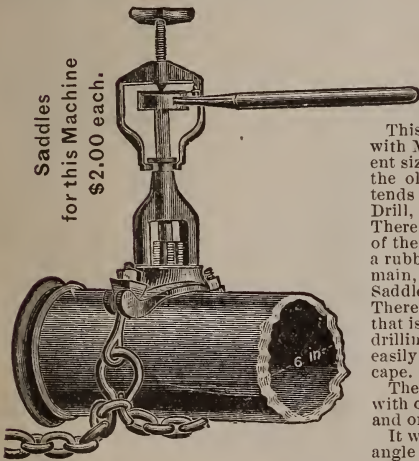
The weight of the "Ideal" machine with one Saddle, Chain, Feeder, Ratchet, one-inch Tap and Plug is 18 pounds. It will tap on top, side, or at any angle desired.

## Walter S. Payne's Improved "Daisy"

### DRY PIPE TAPPING MACHINE.



## Walter S. Payne's old style "Crow."



Saddles  
for this Machine  
\$2.00 each.

This machine is made of Bronze Metal, with Malleable Iron Saddles to fit different size mains. It is much stronger than the old style "Crow," as the metal extends completely around the Tap and Drill, and prevents the gas from escaping. There is a Stuffing Box around the stem of the drill, just above the Tap, and with a rubber gasket between the Saddle and main, and also between the machine and Saddle so that it is absolutely gas tight. There is a thumb-screw valve on the side that is left open for oiling the drill (when drilling wrought iron pipe) and which is easily closed when the gas begins to escape.

The whole weight of this Daisy Machine, with one Saddle, Chain, Feeder, Ratchet, and one-inch Tap and Drill is 15 pounds.

It will tap on the top or side, or at any angle desired.

### PRICE LIST.

<b>IDEAL</b> Machine with one Saddle, Chain, Feeder and Ratchet.....	\$35 00
<b>DAISY</b> Machine with one Saddle, Chain, Feeder and Ratchet ..	20 00
Old style "Crow" Machine, with one Saddle, Chain, Feeder and Ratchet.....	15 00

By ordering chain proper length and extra saddles this machine will tap *any size of pipe*.

Extra Saddles, each.....	\$1 00	$\frac{1}{2}$ inch Taps and Drills.....	\$4 00	$1\frac{1}{4}$ inch Taps and Drills .....	\$6 00
$\frac{1}{4}$ inch Taps and Drills.....	2 00	$\frac{3}{4}$ inch Taps and Drills.....	4 50	$1\frac{1}{2}$ inch Taps and Drills.....	7 00
$\frac{3}{8}$ inch Taps and Drills.....	3 00	1 inch Taps and Drills.....	5 00	2 inch Taps and Drills.....	8 00

We manufacture Corporation Cocks for the Payne and other Tapping Machines, and have a good supply of Payne's Patent Tapping Machines **FOR TAPPING WATER OR GAS MAINS UNDER PRESSURE** in stock, so that we can fill an order for a machine of any size at a moment's notice.

# KNICKERBOCKER TRUST Co.

234 Fifth Avenue, corner Twenty-seventh Street,

NEW YORK.

---

<i>Paid-up CAPITAL and SURPLUS,</i>	-	-	-	\$635,600
<i>Amount of Assets,</i>	-	-	-	3,177,800

---

## DESIGNATED LEGAL DEPOSITORY.

**INTEREST** Allowed on time deposits. Deposits received subject to CHECKS ON DEMAND, which pass through the Clearing House like those upon any city bank.

**SAFE DEPOSIT BOXES** To rent in FIRE AND BURGLAR PROOF VAULT.

Acts as Executor, Administrator, Guardian, Receiver, *REGISTRAR, TRANSFER AND FINANCIAL AGENT*, and accepts other trusts in conformity with the law of any State or of the United States.

## BUSINESS AND PERSONAL ACCOUNTS SOLICITED.

JOHN P. TOWNSEND, President.

CHARLES T. BARNEY, Vice-President.

JOSEPH T. BROWN, 2d Vice-President.

### DIRECTORS.

JOSEPH S. AUERBACH,  
CHAS. T. BARNEY,  
JAMES H. BRESLIN,  
I. TOWNSEND BURDEN,  
FREDERICK G. BOURNE,  
SAMUEL J. COLGATE,  
IRA DAVENPORT,  
HENRY F. DIMOCK,

WILLIAM A. DUER,  
JACOB HAYS,  
A. FOSTER HIGGINS,  
HARRY B. HOLLINS,  
DAVID H. KING, Jr.,  
EDWARD V. LOEW,  
GEORGE J. MAGEE,  
HENRY W. T. MALI,

ROBERT MACLAY,  
ROBERT G. REMSEN,  
ANDREW H. SANDS,  
JOHN S. TILNEY,  
JOHN P. TOWNSEND,  
CHARLES F. WATSON,  
CHARLES H. WELLING.

FREDERICK L. ELDRIDGE, Secretary.

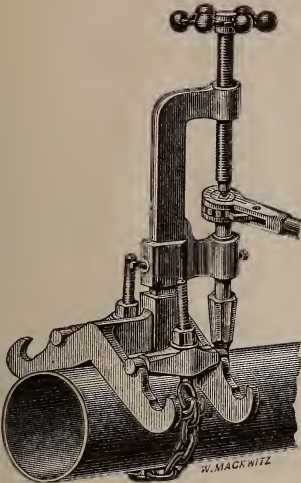


KNOWN THE WORLD OVER.

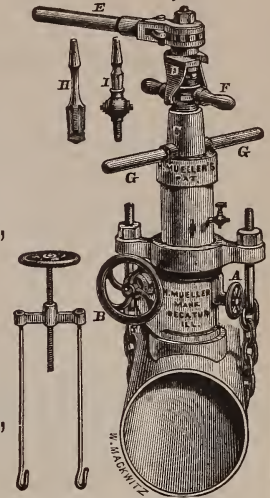
# M. MUELLER MFG. CO.,

MANUFACTURERS OF

Gas Pipe Tapping Machines,  
Water Pipe Tapping Machines,  
Water Pressure Regulators,  
Corporation Stop Cocks,  
Round Way Stop Cocks,  
Stop and Waste Cocks,  
Brass Water Connections,  
Check and Waste Cocks,  
etc., etc.



Gas Pipe Tapping Machine.



Water Pipe Tapping Machine

## What is Said of our Improved Gas Tapping Machine.

DECATUR, ILL., March 1st, 1890.

H. MUELLER MFG. CO., City.

"GENTLEMEN: I have been using one of your improved Gas Tapping Machines for the past year, and must say that I am so well pleased with it that I would not use an old style—Crow Hook—if I could buy it for \$1.00.

Yours very respectfully,

R. J. STRATTON,

Supt. Decatur Gas Light & Coke Co.

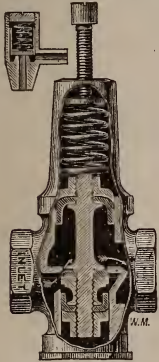
Our **TAPPING MACHINE** is acknowledged by everybody as the most complete and best machine in the market, and we have over 900 machines sold in the United States. We have on file, in our office, testimonials from all parts of the Union.

Mr. C. E. Gray, of the Gas and Water Works at Duluth, Minn., writes us as follows:—

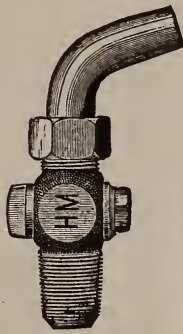
"GENTLEMEN.—Your later improvements in Tapping Machines I very much like; nevertheless I have no fault to find with any one of the machines of the many I have purchased of you, to supply the several Gas and Water Works that I have contracted for during the past seven years.

Yours truly,

C. E. GRAY.



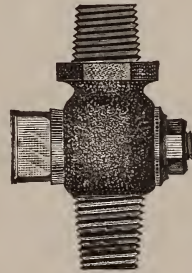
Water Pressure Regulator.



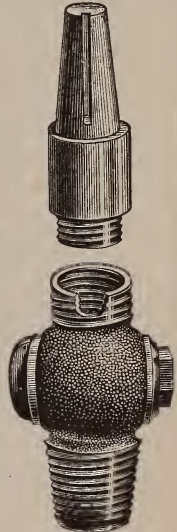
No. 2.



No. 3.



No. 4.



Improved Screw Plug Cock.

We are now prepared to furnish the MUELLER CORPORATION STOP COCKS for use WITH HEXAGON PLUG the same as they have always been made up to this season. Also, the new style used with SCREW PLUGS. All Cocks manufactured by us are guaranteed to be perfect in every respect.

We have the most encouraging reports from our **WATER PRESSURE REGULATOR** which is the best in the market. By the use of this Regulator a steady and uniform pressure from 20 to 30 pounds, as may be desired, can be obtained in any building, notwithstanding a fire-pressure of 120 pounds or more on the mains. In a city of Pennsylvania it is successfully used under a steady pressure of 165 pounds.

Correspondence solicited. Prices furnished on application, and a liberal discount to the Trade.

WRITE FOR CIRCULARS.

**H. MUELLER MFG. CO.,**

Office, 222 E. Main St.,

Factory, 111 to 117 State St.,

DECATUR, ILL.

MADE UPON HONOR.

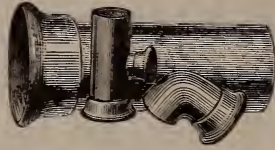
UNEQUALLED IN EFFICIENCY.

SOLD UPON MERIT.

# WARREN FOUNDRY AND MACHINE CO.

NEW YORK OFFICE: 160 BROADWAY.

Established 1856.



Works at Phillipsburg, N. J.

## CAST IRON WATER AND GAS PIPE.

FROM TWO TO FORTY-EIGHT INCHES DIAMETER.

Also, all sizes of Flange Pipe for Sugar House and Mine Work.

Branches, Bends, Retorts, etc., etc.

## JONES' JET PHOTOMETER.

FOR  
COAL, OIL OR AIR GAS.



Price, \$10.00.

For sale at manufacturer's prices by

*PROGRESSIVE AGE PUBLISHING CO.,*

18 Broadway, New York.

A **GAS MAN** who has not read

**HUMPHREYS' WORK,**

“Water Gas in the United States,”

has lost a treat.

**Price, \$1.00.**

Mailed on receipt of this sum.

*PROGRESSIVE AGE PUBLISHING CO.,*

18 Broadway, New York.

---

**T<sup>HE</sup> GAS FRATERNITY,** when in want of

**BOOKS**

ON

**GAS OR ELECTRICITY,**

should send their orders to

*PROGRESSIVE AGE PUBLISHING CO.,*

18 Broadway, New York.



# Progressive Age.

## GAS !—ELECTRICITY !—WATER !

**Published Semi-Monthly, at \$3.00 per Year,**

— AT —

18 BROADWAY, NEW YORK.

The aim of this Journal is to promote the general welfare of the Gas industry as a whole through unprejudiced dissemination of the latest and most thorough practice of gas making.

Its editorials are written with the view of instructing, and to provoke criticism, so necessary to intelligent judgment.

Its news columns are largely the result of its own collection from various sources, and usually published from two to four weeks in advance of contemporaries.

In a word PROGRESSIVE AGE is the result of careful study of the methods which go to produce journalistic success in its chosen field of operation. The best evidence that it "covers the field" is evident from the statement which has remained unchallenged for several years, viz. :

"The circulation of this journal exceeds the combined circulation of all other papers devoted to the gas interests of this country."



PATENTED JULY 9th, 1878, and FEBRUARY 5th, 1884.



**JOHN CABOT,**  
 306-310 ELEVENTH AVE., NEW YORK.

# TRAYS

FOR  
**PURIFIERS,**  
**TOWER SCRUBBERS,**  
**WASHERS, Etc.**

Over 500 Gas Companies use them.

**IRON OXIDE TRAYS,**  
 WITH GROOVED SLATS.

(PATENT APPLIED FOR)

ARE THE ONLY TRAYS THAT  
 WILL HOLD IRON SPONGE  
 WITHOUT SIFTING.

SEND FOR CIRCULARS TO

# M. J. DRUMMOND,



2 to 48-Inch Diameter.

FLANGE PIPE, RETORTS, LAMP POSTS, STOP  
 VALVES, FIRE HYDRANTS, SPECIAL  
 CASTINGS.

"BUILDERS' IRON FOUNDRY. 'GLOBE' SPECIALS."

ADDRESS,

Office, Corbin Building, 192 Broadway,  
 NEW YORK.





# The United Gas Improvement Company,

Drexel Building,  
Chestnut and Fifth Streets,  
**PHILADELPHIA.**

---

## OFFICERS:

W. W. GIBBS, President.  
GEORGE PHILLER, Vice-President.  
SAM'L T. BODINE, Gen'l Manager.  
RANDAL MORGAN, General Counsel.

EDWARD C. LEE, Sec'y and Treasurer.  
ALEX. C. HUMPHREYS, Gen'l Supt.  
WALTON CLARK, Ass't Gen'l Supt.  
H. H. EDGERTON, Chemist and Engineer.

---

## DIRECTORS:

GEORGE PHILLER,  
THOMAS DOLAN,

WILLIAM G. WARDEN,  
HENRY C. GIBSON,

SAMUEL T. BODINE,  
WM. T. CARTER.

---

Builders, Lessees and Purchasers of  
**✕ GAS WORKS. ✕**